

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004893.D
 Acq On : 27 May 2021 12:16
 Operator : SY/MD
 Sample : VY0527SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0527SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2021 6:27:59 PM

Quant Time: May 27 14:24:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	246895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	380080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	340799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160080	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	142034	48.33	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.66%		
35) Dibromofluoromethane	7.728	113	120755	58.03	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	116.06%		
50) Toluene-d8	10.185	98	473590	50.38	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.76%		
62) 4-Bromofluorobenzene	12.483	95	163335	51.49	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.98%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	46282	20.47	ug/l	98
3) Chloromethane	2.119	50	66379	18.12	ug/l	98
4) Vinyl Chloride	2.253	62	63975	17.06	ug/l	98
5) Bromomethane	2.650	94	38981	20.39	ug/l	96
6) Chloroethane	2.796	64	39759	17.97	ug/l	96
7) Trichlorofluoromethane	3.125	101	89578	20.13	ug/l	92
8) Diethyl Ether	3.534	74	33481	21.29	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	53860	21.33	ug/l	99
10) Methyl Iodide	4.101	142	46724	17.31	ug/l	97
11) Tert butyl alcohol	4.966	59	30156	102.11	ug/l	99
12) 1,1-Dichloroethene	3.881	96	53245	21.82	ug/l	90
13) Acrolein	3.741	56	29036	83.63	ug/l	100
14) Allyl chloride	4.491	41	100921	21.16	ug/l	95
15) Acrylonitrile	5.180	53	82629	104.83	ug/l	99
16) Acetone	3.954	43	67083	101.63	ug/l	95
17) Carbon Disulfide	4.198	76	158806	21.31	ug/l	98
18) Methyl Acetate	4.491	43	46410	22.05	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	141765	21.12	ug/l	96
20) Methylene Chloride	4.723	84	79463	21.02	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	58434	21.07	ug/l	97
22) Diisopropyl ether	6.131	45	188400	20.54	ug/l	99
23) Vinyl Acetate	6.070	43	681661	98.95	ug/l	99
24) 1,1-Dichloroethane	6.027	63	109333	21.18	ug/l	100
25) 2-Butanone	6.996	43	116792	99.59	ug/l	99
26) 2,2-Dichloropropane	6.990	77	97011	21.52	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	66640	21.64	ug/l	97
28) Bromochloromethane	7.344	49	51063	20.25	ug/l	97
29) Tetrahydrofuran	7.362	42	74584	99.70	ug/l	98
30) Chloroform	7.515	83	106425	20.93	ug/l	99
31) Cyclohexane	7.789	56	97728	20.54	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	93676	20.55	ug/l	98
36) 1,1-Dichloropropene	7.923	75	84490	21.69	ug/l	100
37) Ethyl Acetate	7.082	43	56757	21.26	ug/l	97
38) Carbon Tetrachloride	7.905	117	72920	20.83	ug/l	96
39) Methylcyclohexane	9.185	83	88195	20.76	ug/l	95
40) Benzene	8.167	78	243345	22.10	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	28510	19.55	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	73207	21.05	ug/l	98
43) Isopropyl Acetate	8.283	43	104094	21.01	ug/l	98
44) Trichloroethene	8.947	130	63476	21.44	ug/l	97
45) 1,2-Dichloropropane	9.222	63	63348	21.99	ug/l	95
46) Dibromomethane	9.313	93	32458	20.26	ug/l	99
47) Bromodichloromethane	9.502	83	80185	21.10	ug/l	99
48) Methyl methacrylate	9.295	41	44801	19.87	ug/l	96
49) 1,4-Dioxane	9.307	88	7620	403.93	ug/l #	86
51) 4-Methyl-2-Pentanone	10.075	43	257186	96.46	ug/l	99
52) Toluene	10.246	92	144571	20.79	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	87330	20.74	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	101792	21.73	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	48179	21.85	ug/l	98
56) Ethyl methacrylate	10.514	69	67381	21.13	ug/l	94
57) 1,3-Dichloropropane	10.795	76	84272	21.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	175844	106.84	ug/l	100
59) 2-Hexanone	10.837	43	183269	101.44	ug/l	96
60) Dibromochloromethane	10.990	129	51574	19.67	ug/l	99
61) 1,2-Dibromoethane	11.093	107	42273	19.89	ug/l	97
64) Tetrachloroethene	10.721	164	64544	20.96	ug/l	97
65) Chlorobenzene	11.520	112	149347	21.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	53368	20.93	ug/l	100
67) Ethyl Benzene	11.593	91	278915	21.40	ug/l	98
68) m/p-Xylenes	11.703	106	209557	42.80	ug/l	100
69) o-Xylene	12.032	106	97840	21.38	ug/l	99
70) Styrene	12.044	104	165145	21.53	ug/l	99
71) Bromoform	12.209	173	31921	20.66	ug/l #	98
73) Isopropylbenzene	12.331	105	266470	22.07	ug/l	100
74) N-amyl acetate	12.148	43	88170	20.65	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	52622	21.84	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	45211m	26.59	ug/l	
77) Bromobenzene	12.611	156	58879	21.59	ug/l	99
78) n-propylbenzene	12.672	91	310018	21.04	ug/l	99
79) 2-Chlorotoluene	12.758	91	171796	21.24	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	212913	21.23	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20756	21.17	ug/l	99
82) 4-Chlorotoluene	12.855	91	180097	21.44	ug/l	100
83) tert-Butylbenzene	13.075	119	177239	20.70	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	213859	21.30	ug/l	99
85) sec-Butylbenzene	13.258	105	265873	21.36	ug/l	99
86) p-Isopropyltoluene	13.373	119	230823	21.39	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	112973	21.12	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	113013	21.44	ug/l	98
89) n-Butylbenzene	13.697	91	227530	21.57	ug/l	100
90) Hexachloroethane	13.959	117	33537	22.07	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	102074	21.63	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8692	19.30	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	62635	20.61	ug/l	99
94) Hexachlorobutadiene	15.111	225	33921	20.60	ug/l	99
95) Naphthalene	15.239	128	140657	21.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	56779	21.11	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Abundance

TIC: VY004893.D\data.ms

Time-->

Chlorodifluoromethane, T
Vinyl Chloride, C
Bromomethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Iodide, T
Carbon Disulfide, T
Methyl acetate, T
Methylene Chloride, T
tert-butyl alcohol, T
Acrylonitrile, T
Methyl tert-butyl ether, T
1,1-Dichloroethane, P
Isopropyl ether, T
Vinyl Acetate, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
1,1,1-Trichloroethane, S
Carbon tetrachloride, T
1,2-Dibromoethane, TM
Isobutyl acetate, T
1,4-Difluorobenzene, I
1,2-Benzenedithiol-d4, S
Trichloroethene, TM
Dichloromethane, T
Hexamethylenetetramine, T
Bromochloromethane, T
cis-1,3-Dichloropropene, T
Toluene, CM
4-Methyl-2-Pentanone, T
2-Chloroethyl Vinyl ether, T
Tetrahydrofuran, T
Ethyl trichloroacetate, T
1,1,2-Trichloroethane, I
1,3-Dichloropropane
Dibromochloromethane, T
1,2-Dibromoethane, T
Chlorobenzene, PM
Ethyl Benzene, I
n-Propyl acetate, T
Styrene, D-Xylene, T
N-amyl acetate, T
trans-1,4-Dichloro-2-butene, T
Bromotoluene, P
1,2,3-Trichlorobenzene, T
Bromobenzene, T
Isopropyl benzene, T
n-propyl benzene, T
1,3,5-Trimethylbenzene, T
4-Chlorophenol, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dimethylbenzene, T
1,4-Dichlorobenzene, T
n-Butylbenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
Naphthalene, I
1,2,3-Trichlorobenzene, T