

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051121\
 Data File : VY004738.D
 Acq On : 11 May 2021 11:41
 Operator : SY/MD
 Sample : VY0511SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0511SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/12/2021 10:42:55 AM

Quant Time: May 12 00:58:24 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	189893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	307272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	278620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132100	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	119281	52.77	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.54%			
35) Dibromofluoromethane	7.728	113	96524	57.38	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.76%			
50) Toluene-d8	10.185	98	408921	53.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.62%			
62) 4-Bromofluorobenzene	12.483	95	135183	52.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.42%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	36488	20.98	ug/l	96
3) Chloromethane	2.119	50	54516	19.35	ug/l	100
4) Vinyl Chloride	2.259	62	56028	19.43	ug/l	100
5) Bromomethane	2.650	94	32253	21.93	ug/l	98
6) Chloroethane	2.802	64	35184	20.68	ug/l	91
7) Trichlorofluoromethane	3.131	101	69703	20.36	ug/l	98
8) Diethyl Ether	3.540	74	23887	19.75	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	38784	19.97	ug/l	98
10) Methyl Iodide	4.101	142	44498	21.43	ug/l	100
11) Tert butyl alcohol	4.972	59	21695	95.51	ug/l #	82
12) 1,1-Dichloroethene	3.881	96	37302	19.87	ug/l	97
13) Acrolein	3.741	56	24656	92.33	ug/l	98
14) Allyl chloride	4.485	41	72293	19.71	ug/l	99
15) Acrylonitrile	5.173	53	59171	97.60	ug/l	100
16) Acetone	3.960	43	48042	94.63	ug/l	98
17) Carbon Disulfide	4.204	76	121815	21.25	ug/l	97
18) Methyl Acetate	4.497	43	30923	19.10	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	101233	19.61	ug/l	99
20) Methylene Chloride	4.728	84	47926	14.27	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	43285	20.30	ug/l	98
22) Diisopropyl ether	6.131	45	140909	19.97	ug/l	98
23) Vinyl Acetate	6.070	43	517434	97.65	ug/l	99
24) 1,1-Dichloroethane	6.027	63	80833	20.36	ug/l	98
25) 2-Butanone	7.002	43	85377	94.66	ug/l	96
26) 2,2-Dichloropropane	6.990	77	71417	20.59	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	47670	20.13	ug/l	99
28) Bromochloromethane	7.338	49	38224	19.71	ug/l	99
29) Tetrahydrofuran	7.356	42	53995	93.84	ug/l	98
30) Chloroform	7.515	83	79370	20.29	ug/l	97
31) Cyclohexane	7.789	56	70041	19.14	ug/l #	93
32) 1,1,1-Trichloroethane	7.710	97	71113	20.28	ug/l	100
36) 1,1-Dichloropropene	7.923	75	63883	20.29	ug/l	98
37) Ethyl Acetate	7.082	43	41930	19.43	ug/l	99
38) Carbon Tetrachloride	7.905	117	55935	19.76	ug/l	99
39) Methylcyclohexane	9.185	83	67045	19.52	ug/l	97
40) Benzene	8.167	78	180952	20.33	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	21103m	17.90	ug/l	
42) 1,2-Dichloroethane	8.246	62	56818	20.21	ug/l	100
43) Isopropyl Acetate	8.283	43	77863	19.44	ug/l	99
44) Trichloroethene	8.941	130	48857	20.42	ug/l	99
45) 1,2-Dichloropropane	9.222	63	46798	20.10	ug/l	98
46) Dibromomethane	9.313	93	25654	19.81	ug/l	99
47) Bromodichloromethane	9.502	83	62595	20.37	ug/l	99
48) Methyl methacrylate	9.301	41	34999	19.20	ug/l	97
49) 1,4-Dioxane	9.313	88	5617	368.31	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	202904	94.14	ug/l	100
52) Toluene	10.246	92	112809	20.07	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	67608	19.86	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	75909	20.04	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	35010	19.64	ug/l	97
56) Ethyl methacrylate	10.514	69	49591	19.24	ug/l	99
57) 1,3-Dichloropropane	10.794	76	64118	20.23	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	130078	97.76	ug/l	99
59) 2-Hexanone	10.837	43	137109	93.88	ug/l	100
60) Dibromochloromethane	10.990	129	41307	19.49	ug/l	99
61) 1,2-Dibromoethane	11.093	107	35157	20.46	ug/l	98
64) Tetrachloroethene	10.721	164	50631	20.11	ug/l	98
65) Chlorobenzene	11.520	112	117778	20.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	42759	20.51	ug/l	99
67) Ethyl Benzene	11.599	91	213559	20.05	ug/l	98
68) m/p-Xylenes	11.703	106	162913	40.70	ug/l	99
69) o-Xylene	12.032	106	75810	20.26	ug/l	99
70) Styrene	12.050	104	127400	20.31	ug/l	99
71) Bromoform	12.209	173	25152	19.92	ug/l #	99
73) Isopropylbenzene	12.331	105	203671	20.44	ug/l	100
74) N-amyl acetate	12.148	43	68727	19.50	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	38973	19.60	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	29991m	21.37	ug/l	
77) Bromobenzene	12.611	156	46805	20.80	ug/l	96
78) n-propylbenzene	12.672	91	247945	20.39	ug/l	98
79) 2-Chlorotoluene	12.758	91	137387	20.59	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	171859	20.76	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15400	19.03	ug/l	94
82) 4-Chlorotoluene	12.855	91	143882	20.76	ug/l	98
83) tert-Butylbenzene	13.081	119	145848	20.64	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	171891	20.75	ug/l	100
85) sec-Butylbenzene	13.257	105	209642	20.41	ug/l	100
86) p-Isopropyltoluene	13.373	119	182777	20.53	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	90852	20.58	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	88114	20.26	ug/l	98
89) n-Butylbenzene	13.702	91	176574	20.28	ug/l	99
90) Hexachloroethane	13.965	117	26055	20.78	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	77976	20.03	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7137	19.21	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	50474	20.13	ug/l	99
94) Hexachlorobutadiene	15.117	225	27076	19.93	ug/l	98
95) Naphthalene	15.239	128	105399	19.42	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	43279	19.50	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

