

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052721\
 Data File : VY004892.D
 Acq On : 27 May 2021 11:53
 Operator : SY/MD
 Sample : VY0527SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0527SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2021 6:27:57 PM

Quant Time: May 27 14:23:28 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	223165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	385313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	350314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165320	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	141922	53.43	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.86%			
35) Dibromofluoromethane	7.728	113	113446	53.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.56%			
50) Toluene-d8	10.185	98	514315	53.97	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.94%			
62) 4-Bromofluorobenzene	12.483	95	170800	53.11	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.22%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	45681	22.35	ug/l	98
3) Chloromethane	2.119	50	66832	20.18	ug/l	99
4) Vinyl Chloride	2.259	62	65031	19.19	ug/l	98
5) Bromomethane	2.650	94	39252	22.71	ug/l	99
6) Chloroethane	2.796	64	39491	19.75	ug/l	100
7) Trichlorofluoromethane	3.131	101	87304	21.70	ug/l	95
8) Diethyl Ether	3.534	74	33786	23.77	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.905	101	54156	23.73	ug/l	97
10) Methyl Iodide	4.094	142	46190	18.93	ug/l	98
11) Tert butyl alcohol	4.960	59	31207	116.90	ug/l	96
12) 1,1-Dichloroethene	3.881	96	52809	23.94	ug/l	96
13) Acrolein	3.735	56	28764	91.65	ug/l	97
14) Allyl chloride	4.491	41	101152	23.46	ug/l	96
15) Acrylonitrile	5.173	53	82012	115.11	ug/l	98
16) Acetone	3.960	43	65198	109.27	ug/l	99
17) Carbon Disulfide	4.198	76	160849	23.88	ug/l	99
18) Methyl Acetate	4.485	43	43807	23.02	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	140592	23.17	ug/l	96
20) Methylene Chloride	4.722	84	79074	24.18	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	58319	23.27	ug/l	97
22) Diisopropyl ether	6.125	45	190175	22.94	ug/l	99
23) Vinyl Acetate	6.070	43	698437	112.16	ug/l	99
24) 1,1-Dichloroethane	6.027	63	109686	23.51	ug/l	98
25) 2-Butanone	6.996	43	114071	107.61	ug/l	99
26) 2,2-Dichloropropane	6.990	77	91920	22.56	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	62943	22.62	ug/l	98
28) Bromochloromethane	7.338	49	49210	21.59	ug/l	99
29) Tetrahydrofuran	7.356	42	69210	102.35	ug/l	96
30) Chloroform	7.515	83	99665	21.68	ug/l	99
31) Cyclohexane	7.789	56	89093	20.72	ug/l #	90
32) 1,1,1-Trichloroethane	7.710	97	86653	21.03	ug/l	99
36) 1,1-Dichloropropene	7.923	75	78639	19.91	ug/l	100
37) Ethyl Acetate	7.082	43	54959	20.31	ug/l	97
38) Carbon Tetrachloride	7.905	117	69056	19.46	ug/l	98
39) Methylcyclohexane	9.185	83	91714	21.30	ug/l	95
40) Benzene	8.167	78	228322	20.45	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28047m	18.97	ug/l	
42) 1,2-Dichloroethane	8.240	62	71351	20.24	ug/l	99
43) Isopropyl Acetate	8.283	43	102992	20.50	ug/l	99
44) Trichloroethene	8.941	130	62241	20.74	ug/l	98
45) 1,2-Dichloropropane	9.222	63	63082	21.60	ug/l	100
46) Dibromomethane	9.313	93	31921	19.65	ug/l	99
47) Bromodichloromethane	9.502	83	76558	19.87	ug/l	98
48) Methyl methacrylate	9.295	41	43905	19.21	ug/l	98
49) 1,4-Dioxane	9.301	88	7291	381.24	ug/l #	94
51) 4-Methyl-2-Pentanone	10.075	43	275219	101.83	ug/l	98
52) Toluene	10.246	92	150012	21.28	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	89850	21.05	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	101505	21.37	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	46104	20.63	ug/l	97
56) Ethyl methacrylate	10.514	69	67806	20.98	ug/l	96
57) 1,3-Dichloropropane	10.794	76	86446	21.75	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	179197	107.40	ug/l	100
59) 2-Hexanone	10.837	43	188337	102.83	ug/l	97
60) Dibromochloromethane	10.989	129	54195	20.39	ug/l	99
61) 1,2-Dibromoethane	11.093	107	46584	21.62	ug/l	100
64) Tetrachloroethene	10.721	164	67159	21.22	ug/l	97
65) Chlorobenzene	11.520	112	155161	21.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	54549	20.81	ug/l	99
67) Ethyl Benzene	11.593	91	286356	21.38	ug/l	100
68) m/p-Xylenes	11.703	106	201531	40.04	ug/l	98
69) o-Xylene	12.032	106	94523	20.10	ug/l	98
70) Styrene	12.044	104	160749	20.38	ug/l	99
71) Bromoform	12.209	173	31423	19.79	ug/l #	98
73) Isopropylbenzene	12.331	105	267923	21.48	ug/l	100
74) N-amyl acetate	12.148	43	88951	20.17	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	55016	22.11	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	39952m	22.75	ug/l	
77) Bromobenzene	12.611	156	59311	21.06	ug/l	98
78) n-propylbenzene	12.672	91	327933	21.55	ug/l	100
79) 2-Chlorotoluene	12.757	91	178704	21.40	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	215773	20.83	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	22175	21.90	ug/l	95
82) 4-Chlorotoluene	12.855	91	186346	21.49	ug/l	100
83) tert-Butylbenzene	13.074	119	185197	20.94	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	222295	21.44	ug/l	100
85) sec-Butylbenzene	13.257	105	275772	21.45	ug/l	100
86) p-Isopropyltoluene	13.373	119	237076	21.27	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	115598	20.93	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	115729	21.26	ug/l	99
89) n-Butylbenzene	13.696	91	231113	21.21	ug/l	100
90) Hexachloroethane	13.965	117	34110	21.73	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	103990	21.34	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8665	18.63	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	64598	20.58	ug/l	100
94) Hexachlorobutadiene	15.117	225	33647	19.79	ug/l	99
95) Naphthalene	15.239	128	132384	19.49	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	54514	19.62	ug/l	99

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

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