

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012122\
 Data File : VY007251.D
 Acq On : 21 Jan 2022 14:08
 Operator : SY/MD
 Sample : VY0121SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0121SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/24/2022
 Supervised By : Mahesh Dadoda 01/24/2022

Quant Time: Jan 22 00:23:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	101007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	175930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	155117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	63538	51.266	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.540%
35) Dibromofluoromethane	7.722	113	58712	49.354	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.700%
50) Toluene-d8	10.185	98	214384	49.320	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.640%
62) 4-Bromofluorobenzene	12.483	95	75200	48.635	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.260%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.918	85	5249	14.820	ug/l	96
3) Chloromethane	2.119	50	14317	19.276	ug/l	99
4) Vinyl Chloride	2.259	62	20757	19.202	ug/l	96
5) Bromomethane	2.656	94	14667	20.954	ug/l	97
6) Chloroethane	2.808	64	13913	20.628	ug/l	95
7) Trichlorofluoromethane	3.131	101	26053	22.363	ug/l	99
8) Diethyl Ether	3.533	74	12720	19.828	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.918	101	22105	19.475	ug/l	97
10) Methyl Iodide	4.094	142	32760	19.514	ug/l	99
11) Tert butyl alcohol	4.954	59	11129	102.472	ug/l #	89
12) 1,1-Dichloroethene	3.881	96	21109	18.469	ug/l	100
13) Acrolein	3.735	56	3051	111.131	ug/l	98
14) Allyl chloride	4.491	41	34987	19.091	ug/l	96
15) Acrylonitrile	5.173	53	30630	99.346	ug/l	96
16) Acetone	3.954	43	28540	88.731	ug/l	98
17) Carbon Disulfide	4.204	76	53194	16.759	ug/l	100
18) Methyl Acetate	4.485	43	26736	23.361	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	47228	20.989	ug/l	97
20) Methylene Chloride	4.716	84	27533	20.701	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	23134	18.670	ug/l	95
22) Diisopropyl ether	6.124	45	75437	20.318	ug/l	98
23) Vinyl Acetate	6.070	43	201059	92.084	ug/l	99
24) 1,1-Dichloroethane	6.027	63	44320	19.624	ug/l	98
25) 2-Butanone	6.990	43	40013	96.218	ug/l	90
26) 2,2-Dichloropropane	6.990	77	34907	21.207	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	27355	19.461	ug/l	95
28) Bromochloromethane	7.344	49	14020	17.161	ug/l	95
29) Tetrahydrofuran	7.356	42	26638	99.647	ug/l	98
30) Chloroform	7.514	83	51165	21.804	ug/l	99
31) Cyclohexane	7.795	56	39610	18.904	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	41432	20.657	ug/l	99
36) 1,1-Dichloropropene	7.929	75	35843	18.865	ug/l	99
37) Ethyl Acetate	7.082	43	19192	19.683	ug/l	96
38) Carbon Tetrachloride	7.911	117	38246	19.138	ug/l	99
39) Methylcyclohexane	9.191	83	42227	18.203	ug/l	98
40) Benzene	8.167	78	95501	18.844	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	9483m	16.889	ug/l	
42) 1,2-Dichloroethane	8.240	62	31071	19.469	ug/l	99
43) Isopropyl Acetate	8.277	43	36300	19.133	ug/l	98
44) Trichloroethene	8.947	130	25760	18.783	ug/l	97
45) 1,2-Dichloropropane	9.221	63	24632	19.112	ug/l	95
46) Dibromomethane	9.307	93	14901	19.552	ug/l	95
47) Bromodichloromethane	9.502	83	36570	19.519	ug/l	100
48) Methyl methacrylate	9.295	41	15856	18.374	ug/l	97
49) 1,4-Dioxane	9.307	88	3027	368.360	ug/l #	84
51) 4-Methyl-2-Pentanone	10.075	43	92681	96.342	ug/l	97
52) Toluene	10.252	92	61652	19.191	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	37696	19.059	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	41254	18.634	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	19794	19.147	ug/l	97
56) Ethyl methacrylate	10.514	69	27628	18.971	ug/l	96
57) 1,3-Dichloropropane	10.794	76	34876	19.355	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	68838	103.949	ug/l	97
59) 2-Hexanone	10.837	43	62462	95.673	ug/l	95
60) Dibromochloromethane	10.989	129	24499	19.278	ug/l	100
61) 1,2-Dibromoethane	11.093	107	19436	19.138	ug/l	99
64) Tetrachloroethene	10.721	164	21173	18.937	ug/l	98
65) Chlorobenzene	11.520	112	65546	19.325	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	24469	19.462	ug/l	98
67) Ethyl Benzene	11.599	91	124642	19.552	ug/l	99
68) m/p-Xylenes	11.709	106	91907	38.796	ug/l	100
69) o-Xylene	12.032	106	43432	19.468	ug/l	100
70) Styrene	12.044	104	72399	19.237	ug/l	99
71) Bromoform	12.209	173	14120	19.415	ug/l #	96
73) Isopropylbenzene	12.331	105	117730	19.142	ug/l	99
74) N-amyl acetate	12.148	43	31031	18.868	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	23054	19.277	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	16010m	19.718	ug/l	
77) Bromobenzene	12.611	156	25824	19.297	ug/l	98
78) n-propylbenzene	12.672	91	146596	19.228	ug/l	100
79) 2-Chlorotoluene	12.764	91	81011	19.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	96258	19.061	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	8000	18.038	ug/l #	100
82) 4-Chlorotoluene	12.855	91	83613	18.909	ug/l	99
83) tert-Butylbenzene	13.081	119	85246	19.536	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	95800	19.139	ug/l	99
85) sec-Butylbenzene	13.257	105	125836	19.276	ug/l	99
86) p-Isopropyltoluene	13.373	119	102496	19.106	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	49788	19.007	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	50426	19.145	ug/l	99
89) n-Butylbenzene	13.702	91	102578	19.420	ug/l	98
90) Hexachloroethane	13.965	117	20203	19.263	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	43408	18.625	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3731	18.063	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	25316	17.862	ug/l	97
94) Hexachlorobutadiene	15.117	225	13626	18.654	ug/l	99
95) Naphthalene	15.239	128	53411	17.743	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	21731	17.972	ug/l	100

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

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