

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012622\
 Data File : VY007301.D
 Acq On : 26 Jan 2022 12:34
 Operator : SY/MD
 Sample : VY0126SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0126SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/27/2022
 Supervised By : Mahesh Dadoda 01/27/2022

Quant Time: Jan 27 00:33:20 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	92813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	155304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	136393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	43679	38.354	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.700%		
35) Dibromofluoromethane	7.722	113	38070	36.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	72.500%		
50) Toluene-d8	10.185	98	120167	31.317	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	62.640%		
62) 4-Bromofluorobenzene	12.483	95	48645	35.639	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	71.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	5480	16.839	ug/l	98
3) Chloromethane	2.119	50	12258	17.961	ug/l	99
4) Vinyl Chloride	2.259	62	17507	17.625	ug/l	95
5) Bromomethane	2.662	94	11984	18.632	ug/l	100
6) Chloroethane	2.802	64	12071	19.477	ug/l	99
7) Trichlorofluoromethane	3.125	101	22447	20.969	ug/l	95
8) Diethyl Ether	3.533	74	11247	19.080	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.911	101	19572	18.766	ug/l	97
10) Methyl Iodide	4.094	142	27329	17.716	ug/l	96
11) Tert butyl alcohol	4.960	59	9823	98.238	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	18732	17.836	ug/l	97
13) Acrolein	3.722	56	2221	84.426	ug/l	98
14) Allyl chloride	4.484	41	30084	17.865	ug/l	98
15) Acrylonitrile	5.167	53	29276	103.337	ug/l	100
16) Acetone	3.948	43	25306	85.622	ug/l	99
17) Carbon Disulfide	4.198	76	43850	15.035	ug/l	99
18) Methyl Acetate	4.484	43	24913	23.690	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	43303	20.944	ug/l	99
20) Methylene Chloride	4.722	84	23524	19.248	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	20566	18.063	ug/l	95
22) Diisopropyl ether	6.124	45	66744	19.564	ug/l	98
23) Vinyl Acetate	6.070	43	176276	87.862	ug/l	97
24) 1,1-Dichloroethane	6.021	63	39773	19.165	ug/l	98
25) 2-Butanone	6.990	43	37057	96.977	ug/l	99
26) 2,2-Dichloropropane	6.990	77	29560	19.544	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	24536	18.997	ug/l	99
28) Bromochloromethane	7.338	49	10091	13.443	ug/l	98
29) Tetrahydrofuran	7.356	42	24160	98.356	ug/l	99
30) Chloroform	7.508	83	42838	19.867	ug/l	99
31) Cyclohexane	7.795	56	33036	17.159	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	36174	19.627	ug/l	99
36) 1,1-Dichloropropene	7.923	75	31124	18.557	ug/l	99
37) Ethyl Acetate	7.082	43	16884	19.616	ug/l	98
38) Carbon Tetrachloride	7.905	117	34097	19.328	ug/l	98
39) Methylcyclohexane	9.191	83	36910	18.024	ug/l	94
40) Benzene	8.167	78	83938	18.762	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	8708m	17.568	ug/l	
42) 1,2-Dichloroethane	8.240	62	27465	19.495	ug/l	99
43) Isopropyl Acetate	8.277	43	33093	19.759	ug/l	98
44) Trichloroethene	8.941	130	22255	18.383	ug/l	93
45) 1,2-Dichloropropane	9.221	63	22247	19.554	ug/l #	86
46) Dibromomethane	9.313	93	13456	20.000	ug/l	95
47) Bromodichloromethane	9.502	83	32823	19.845	ug/l	98
48) Methyl methacrylate	9.301	41	13929	18.285	ug/l	94
49) 1,4-Dioxane	9.307	88	2859	394.123	ug/l #	90
51) 4-Methyl-2-Pentanone	10.075	43	84544	99.556	ug/l	98
52) Toluene	10.246	92	54118	19.083	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	34477	19.747	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	37353	19.113	ug/l	97
55) 1,1,2-Trichloroethane	10.654	97	18256	20.005	ug/l	90
56) Ethyl methacrylate	10.514	69	24169	18.799	ug/l	95
57) 1,3-Dichloropropane	10.794	76	31413	19.748	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	62778	107.388	ug/l	99
59) 2-Hexanone	10.837	43	55794	96.810	ug/l	97
60) Dibromochloromethane	10.989	129	21822	19.452	ug/l	98
61) 1,2-Dibromoethane	11.093	107	17152	19.132	ug/l	99
64) Tetrachloroethene	10.721	164	18394	18.710	ug/l	96
65) Chlorobenzene	11.520	112	59247	19.866	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	22232	20.110	ug/l	98
67) Ethyl Benzene	11.599	91	109078	19.460	ug/l	100
68) m/p-Xylenes	11.709	106	81687	39.216	ug/l	99
69) o-Xylene	12.032	106	38555	19.655	ug/l	100
70) Styrene	12.050	104	63980	19.334	ug/l	99
71) Bromoform	12.215	173	13341	20.863	ug/l #	98
73) Isopropylbenzene	12.331	105	104455	19.196	ug/l	100
74) N-amyl acetate	12.148	43	28470	19.566	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	21002	19.849	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	14188m	19.750	ug/l	
77) Bromobenzene	12.611	156	23132	19.537	ug/l	98
78) n-propylbenzene	12.672	91	129233	19.159	ug/l	100
79) 2-Chlorotoluene	12.757	91	72797	19.410	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	86602	19.383	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	7560	19.266	ug/l #	99
82) 4-Chlorotoluene	12.861	91	74500	19.043	ug/l	99
83) tert-Butylbenzene	13.081	119	76650	19.854	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	85109	19.218	ug/l	99
85) sec-Butylbenzene	13.257	105	112397	19.461	ug/l	99
86) p-Isopropyltoluene	13.373	119	93213	19.639	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	44803	19.332	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	44600	19.139	ug/l	100
89) n-Butylbenzene	13.702	91	90649	19.397	ug/l	100
90) Hexachloroethane	13.964	117	17913	19.305	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	40168	19.480	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3418	18.703	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	23052	18.384	ug/l	98
94) Hexachlorobutadiene	15.111	225	12539	19.403	ug/l	99
95) Naphthalene	15.239	128	48632	18.260	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	20479	19.143	ug/l	98

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

