

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011822\
 Data File : VY007203.D
 Acq On : 18 Jan 2022 11:13
 Operator : SY/MD
 Sample : VY0118SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0118SBS01

Quant Time: Jan 19 00:31:09 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/19/2022
 Supervised By : Mahesh Dadoda 01/19/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	120021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	204124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	183002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	75113	51.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.000%			
35) Dibromofluoromethane	7.722	113	66842	48.427	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.860%			
50) Toluene-d8	10.185	98	238526	47.295	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.580%			
62) 4-Bromofluorobenzene	12.483	95	87734	48.904	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	7419	17.629	ug/l	97
3) Chloromethane	2.119	50	15970	18.096	ug/l	98
4) Vinyl Chloride	2.266	62	23862	18.577	ug/l	95
5) Bromomethane	2.662	94	15903	19.120	ug/l	99
6) Chloroethane	2.808	64	15849	19.776	ug/l	97
7) Trichlorofluoromethane	3.131	101	24306	17.558	ug/l	96
8) Diethyl Ether	3.528	74	14313	18.776	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.900	101	25044	18.569	ug/l	97
10) Methyl Iodide	4.088	142	36102	18.098	ug/l	95
11) Tert butyl alcohol	4.954	59	11993	92.476	ug/l	99
12) 1,1-Dichloroethene	3.875	96	24633	18.138	ug/l	94
13) Acrolein	3.741	56	3918	121.506	ug/l	97
14) Allyl chloride	4.485	41	43120	19.801	ug/l	95
15) Acrylonitrile	5.161	53	35640	97.282	ug/l	98
16) Acetone	3.954	43	32145	84.106	ug/l	100
17) Carbon Disulfide	4.198	76	63070	16.723	ug/l	100
18) Methyl Acetate	4.479	43	29426	21.638	ug/l	95
19) Methyl tert-butyl Ether	5.229	73	53390	19.969	ug/l	95
20) Methylene Chloride	4.716	84	29568	18.709	ug/l	93
21) trans-1,2-Dichloroethene	5.229	96	27492	18.672	ug/l	98
22) Diisopropyl ether	6.119	45	90917	20.608	ug/l	98
23) Vinyl Acetate	6.064	43	246650	95.069	ug/l	97
24) 1,1-Dichloroethane	6.021	63	51971	19.366	ug/l	100
25) 2-Butanone	6.984	43	45330	91.735	ug/l	96
26) 2,2-Dichloropropane	6.984	77	38179	19.521	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	31362	18.777	ug/l	97
28) Bromochloromethane	7.338	49	18498	19.056	ug/l	91
29) Tetrahydrofuran	7.350	42	30822	97.033	ug/l	94
30) Chloroform	7.509	83	65472	23.480	ug/l	97
31) Cyclohexane	7.789	56	46261	18.581	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	46128	19.355	ug/l	98
36) 1,1-Dichloropropene	7.917	75	40691	18.459	ug/l	99
37) Ethyl Acetate	7.070	43	21522	19.024	ug/l	96
38) Carbon Tetrachloride	7.899	117	44183	19.055	ug/l	99
39) Methylcyclohexane	9.185	83	48532	18.031	ug/l	98
40) Benzene	8.161	78	110316	18.760	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10799	16.576	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	37236	20.109	ug/l	97
43) Isopropyl Acetate	8.277	43	42884	19.481	ug/l	97
44) Trichloroethene	8.941	130	29276	18.398	ug/l	99
45) 1,2-Dichloropropane	9.222	63	28758	19.232	ug/l	93
46) Dibromomethane	9.307	93	16681	18.864	ug/l	97
47) Bromodichloromethane	9.502	83	43441	19.983	ug/l	97
48) Methyl methacrylate	9.295	41	19134	19.110	ug/l	94
49) 1,4-Dioxane	9.307	88	3884	407.367	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	107674	96.468	ug/l	96
52) Toluene	10.246	92	69016	18.516	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	45124	19.664	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	49302	19.193	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	22889	19.083	ug/l	95
56) Ethyl methacrylate	10.514	69	31271	18.506	ug/l	91
57) 1,3-Dichloropropane	10.795	76	40611	19.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	82016	106.742	ug/l	97
59) 2-Hexanone	10.837	43	71493	94.381	ug/l	95
60) Dibromochloromethane	10.990	129	28518	19.341	ug/l	99
61) 1,2-Dibromoethane	11.093	107	22128	18.779	ug/l	99
64) Tetrachloroethene	10.721	164	23672	17.946	ug/l	95
65) Chlorobenzene	11.520	112	74734	18.677	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.599	131	27933	18.832	ug/l	98
67) Ethyl Benzene	11.599	91	140325	18.658	ug/l	99
68) m/p-Xylenes	11.703	106	104396	37.353	ug/l	97
69) o-Xylene	12.032	106	49713	18.888	ug/l	97
70) Styrene	12.050	104	83461	18.797	ug/l	98
71) Bromoform	12.209	173	15677	18.272	ug/l #	98
73) Isopropylbenzene	12.331	105	134002	18.484	ug/l	99
74) N-amyl acetate	12.148	43	36764	18.964	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	25786	18.292	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	19113m	19.970	ug/l	
77) Bromobenzene	12.611	156	29408	18.643	ug/l	99
78) n-propylbenzene	12.672	91	165098	18.371	ug/l	99
79) 2-Chlorotoluene	12.764	91	91678	18.348	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	111850	18.790	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9262	17.716	ug/l #	95
82) 4-Chlorotoluene	12.855	91	96539	18.521	ug/l	99
83) tert-Butylbenzene	13.081	119	96272	18.717	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	109775	18.605	ug/l	99
85) sec-Butylbenzene	13.258	105	143592	18.661	ug/l	99
86) p-Isopropyltoluene	13.373	119	117155	18.527	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	57433	18.601	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	56452	18.182	ug/l	97
89) n-Butylbenzene	13.703	91	115146	18.494	ug/l	99
90) Hexachloroethane	13.965	117	23059	18.653	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	49876	18.155	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3977	16.334	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	29228	17.495	ug/l	99
94) Hexachlorobutadiene	15.117	225	16301	18.933	ug/l	93
95) Naphthalene	15.239	128	59875	16.874	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	25179	17.666	ug/l	99

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

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