

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111723\
 Data File : VY016407.D
 Acq On : 17 Nov 2023 13:09
 Operator : SY/MD
 Sample : VY1117SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1117SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/20/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 18 05:17:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	148717	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	243547	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	212865	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	101271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	68587	50.461	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.920%			
35) Dibromofluoromethane	7.715	113	73309	52.988	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.980%			
50) Toluene-d8	10.178	98	283141	50.467	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.940%			
62) 4-Bromofluorobenzene	12.483	95	93717	51.432	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	28477	19.556	ug/l	95
3) Chloromethane	2.113	50	31205	18.298	ug/l	100
4) Vinyl Chloride	2.247	62	32214	17.566	ug/l	99
5) Bromomethane	2.643	94	21340	17.707	ug/l	96
6) Chloroethane	2.790	64	21971	18.776	ug/l	99
7) Trichlorofluoromethane	3.119	101	54114	20.282	ug/l	99
8) Diethyl Ether	3.527	74	16093	20.182	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	32268	20.080	ug/l	96
10) Methyl Iodide	4.088	142	31851	18.352	ug/l	97
11) Tert butyl alcohol	4.942	59	10288	96.658	ug/l #	85
12) 1,1-Dichloroethene	3.869	96	29371	19.544	ug/l	88
13) Acrolein	3.722	56	11462	89.280	ug/l	95
14) Allyl chloride	4.472	41	39960	18.737	ug/l #	91
15) Acrylonitrile	5.155	53	31566	99.750	ug/l	98
16) Acetone	3.942	43	26997	120.077	ug/l #	89
17) Carbon Disulfide	4.192	76	75357	16.619	ug/l	99
18) Methyl Acetate	4.472	43	24169	20.230	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	71612	19.688	ug/l	99
20) Methylene Chloride	4.710	84	55104	33.549	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	33493	19.356	ug/l	94
22) Diisopropyl ether	6.112	45	91735	19.959	ug/l	88
23) Vinyl Acetate	6.057	43	210908	94.705	ug/l #	92
24) 1,1-Dichloroethane	6.008	63	57835	20.397	ug/l	94
25) 2-Butanone	6.984	43	41019	104.161	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	52741	20.437	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	38859	20.839	ug/l	90
28) Bromochloromethane	7.331	49	20788	19.810	ug/l #	82
29) Tetrahydrofuran	7.350	42	23872	91.713	ug/l #	85
30) Chloroform	7.502	83	63073	21.371	ug/l	100
31) Cyclohexane	7.783	56	47488	17.746	ug/l	87
32) 1,1,1-Trichloroethane	7.703	97	56894	21.030	ug/l	96
36) 1,1-Dichloropropene	7.917	75	46279	19.264	ug/l	99
37) Ethyl Acetate	7.069	43	18382	18.938	ug/l #	93
38) Carbon Tetrachloride	7.898	117	52355	20.999	ug/l	99
39) Methylcyclohexane	9.185	83	54247	18.122	ug/l	91
40) Benzene	8.161	78	136662	20.248	ug/l	98

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41) Methacrylonitrile	7.307	41	8079	16.507	ug/l	86
42) 1,2-Dichloroethane	8.240	62	35986	20.578	ug/l	92
43) Isopropyl Acetate	8.270	43	34319	18.291	ug/l #	87
44) Trichloroethene	8.941	130	39357	20.290	ug/l	99
45) 1,2-Dichloropropane	9.215	63	33334	20.565	ug/l	95
46) Dibromomethane	9.307	93	17998	20.490	ug/l	98
47) Bromodichloromethane	9.496	83	47050	20.835	ug/l	96
48) Methyl methacrylate	9.294	41	18256	17.605	ug/l #	83
49) 1,4-Dioxane	9.307	88	3388	363.310	ug/l #	62
51) 4-Methyl-2-Pentanone	10.069	43	88596	93.379	ug/l	90
52) Toluene	10.246	92	86226	20.210	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	44247	20.212	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	53972	20.641	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	25688	21.218	ug/l	94
56) Ethyl methacrylate	10.514	69	22153	19.384	ug/l #	83
57) 1,3-Dichloropropane	10.794	76	42270	20.483	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	72692	93.805	ug/l	90
59) 2-Hexanone	10.831	43	67252	95.295	ug/l	87
60) Dibromochloromethane	10.983	129	32482	21.452	ug/l	98
61) 1,2-Dibromoethane	11.093	107	23829	20.659	ug/l	99
64) Tetrachloroethene	10.721	164	39485	20.659	ug/l	97
65) Chlorobenzene	11.520	112	94121	20.695	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	36225	21.596	ug/l	98
67) Ethyl Benzene	11.593	91	165761	20.281	ug/l	99
68) m/p-Xylenes	11.703	106	127662	41.180	ug/l	95
69) o-Xylene	12.032	106	59520	20.679	ug/l	96
70) Styrene	12.044	104	87171	21.151	ug/l	96
71) Bromoform	12.209	173	19020	21.852	ug/l #	96
73) Isopropylbenzene	12.330	105	162005	19.755	ug/l	98
74) N-amyl acetate	12.148	43	28446	17.269	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.587	83	25718	19.544	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	17838m	18.362	ug/l	
77) Bromobenzene	12.611	156	37643	20.310	ug/l	92
78) n-propylbenzene	12.672	91	194327	20.051	ug/l	99
79) 2-Chlorotoluene	12.757	91	106710	19.979	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	133910	20.253	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	8631	19.284	ug/l	90
82) 4-Chlorotoluene	12.855	91	111130	20.136	ug/l	98
83) tert-Butylbenzene	13.080	119	119861	20.581	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	132795	20.398	ug/l	99
85) sec-Butylbenzene	13.257	105	168555	20.259	ug/l	100
86) p-Isopropyltoluene	13.373	119	145997	20.379	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	73230	20.537	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	71921	20.638	ug/l	98
89) n-Butylbenzene	13.696	91	132490	20.025	ug/l	97
90) Hexachloroethane	13.964	117	28293	20.473	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	63039	20.631	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3778	18.045	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	34702	19.457	ug/l	99
94) Hexachlorobutadiene	15.117	225	22251	21.776	ug/l	97
95) Naphthalene	15.239	128	56895	17.836	ug/l	98
96) 1,2,3-Trichlorobenzene	15.427	180	27802	18.846	ug/l	98

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

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