

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110323\
 Data File : VY016204.D
 Acq On : 03 Nov 2023 10:22
 Operator : SY/MD
 Sample : VY1103SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1103SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

Quant Time: Nov 03 22:59:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	166711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	264061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	226421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	104608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78293	50.189	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.380%			
35) Dibromofluoromethane	7.722	113	77898	49.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.960%			
50) Toluene-d8	10.185	98	317634	50.890	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.483	95	102260	47.913	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21113	19.854	ug/l	99
3) Chloromethane	2.119	50	26525	18.015	ug/l	95
4) Vinyl Chloride	2.259	62	30562	20.111	ug/l	98
5) Bromomethane	2.656	94	20066	19.566	ug/l	100
6) Chloroethane	2.802	64	20862	19.500	ug/l	98
7) Trichlorofluoromethane	3.131	101	50669	22.086	ug/l	97
8) Diethyl Ether	3.534	74	16183	21.283	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	30828	21.330	ug/l	98
10) Methyl Iodide	4.101	142	30906	19.230	ug/l	98
11) Tert butyl alcohol	4.954	59	12252	105.120	ug/l #	84
12) 1,1-Dichloroethene	3.881	96	27529	20.869	ug/l	87
13) Acrolein	3.741	56	12099	108.215	ug/l	100
14) Allyl chloride	4.491	41	42480	22.514	ug/l #	95
15) Acrylonitrile	5.167	53	35386	108.908	ug/l	96
16) Acetone	3.954	43	26418	94.198	ug/l	92
17) Carbon Disulfide	4.204	76	62180	18.880	ug/l	99
18) Methyl Acetate	4.485	43	25657	20.451	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	80051	21.334	ug/l	96
20) Methylene Chloride	4.722	84	36875	21.505	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	32330	21.040	ug/l	87
22) Diisopropyl ether	6.131	45	100696	22.064	ug/l	89
23) Vinyl Acetate	6.070	43	239627	106.940	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	60212	22.044	ug/l	96
25) 2-Butanone	6.996	43	43710	101.561	ug/l	94
26) 2,2-Dichloropropane	6.996	77	56749	21.979	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	38951	21.540	ug/l	93
28) Bromochloromethane	7.338	49	21797	21.326	ug/l	90
29) Tetrahydrofuran	7.356	42	28175	104.434	ug/l	90
30) Chloroform	7.515	83	64423	21.664	ug/l	96
31) Cyclohexane	7.795	56	49684	20.719	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	58387	21.409	ug/l	98
36) 1,1-Dichloropropene	7.923	75	47407	20.855	ug/l	99
37) Ethyl Acetate	7.082	43	20606	20.352	ug/l	95
38) Carbon Tetrachloride	7.905	117	51940	23.063	ug/l	98
39) Methylcyclohexane	9.191	83	55800	20.564	ug/l	92
40) Benzene	8.167	78	138347	21.199	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	10489	17.848	ug/l	96
42) 1,2-Dichloroethane	8.246	62	38656	21.225	ug/l	93
43) Isopropyl Acetate	8.277	43	41565	20.754	ug/l	93
44) Trichloroethene	8.947	130	39646	20.759	ug/l	92
45) 1,2-Dichloropropane	9.222	63	33900	21.593	ug/l	94
46) Dibromomethane	9.313	93	18724	21.024	ug/l	98
47) Bromodichloromethane	9.502	83	48781	21.558	ug/l	97
48) Methyl methacrylate	9.301	41	18138	19.917	ug/l	87
49) 1,4-Dioxane	9.307	88	4033	299.317	ug/l #	59
51) 4-Methyl-2-Pentanone	10.075	43	105731	105.805	ug/l	92
52) Toluene	10.252	92	90692	21.446	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	47922	21.215	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	55659	20.999	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	26927	21.494	ug/l	95
56) Ethyl methacrylate	10.514	69	33418	20.541	ug/l #	87
57) 1,3-Dichloropropane	10.794	76	45566	21.366	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	81916	103.835	ug/l	94
59) 2-Hexanone	10.837	43	72096	105.283	ug/l	89
60) Dibromochloromethane	10.990	129	33157	21.097	ug/l	99
61) 1,2-Dibromoethane	11.093	107	24673	20.706	ug/l	99
64) Tetrachloroethene	10.727	164	39355	19.541	ug/l	97
65) Chlorobenzene	11.520	112	95989	21.338	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	36097	21.665	ug/l	97
67) Ethyl Benzene	11.599	91	174765	21.721	ug/l	99
68) m/p-Xylenes	11.709	106	132065	42.477	ug/l	95
69) o-Xylene	12.032	106	62430	21.031	ug/l	97
70) Styrene	12.050	104	103259	20.924	ug/l	96
71) Bromoform	12.215	173	19687	21.299	ug/l #	98
73) Isopropylbenzene	12.337	105	169580	21.611	ug/l	99
74) N-amyl acetate	12.148	43	34462	20.210	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	27763	22.235	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	20481m	20.791	ug/l	
77) Bromobenzene	12.611	156	37389	21.043	ug/l	96
78) n-propylbenzene	12.672	91	199834	21.541	ug/l	99
79) 2-Chlorotoluene	12.764	91	111730	21.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	135010	21.237	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	9527	20.969	ug/l	96
82) 4-Chlorotoluene	12.861	91	114071	21.469	ug/l	99
83) tert-Butylbenzene	13.081	119	125822	22.120	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	133770	21.265	ug/l	98
85) sec-Butylbenzene	13.257	105	183421	21.970	ug/l	99
86) p-Isopropyltoluene	13.373	119	149570	21.616	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	74911	21.318	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	73551	21.177	ug/l	98
89) n-Butylbenzene	13.702	91	137050	21.556	ug/l	96
90) Hexachloroethane	13.965	117	27502	23.064	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	64901	21.376	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4172	18.670	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	38164	20.365	ug/l	99
94) Hexachlorobutadiene	15.117	225	23045	22.504	ug/l	96
95) Naphthalene	15.239	128	68042	18.690	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	31547	19.707	ug/l	98

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

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