

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014253.D
 Acq On : 20 Jun 2023 02:18
 Operator : KP/MD
 Sample : VY0619SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0619SBS02

Quant Time: Jun 20 05:06:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/20/2023
 Supervised By : Mahesh Dadoda 06/20/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	185731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	286320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	282192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	132195	51.113	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.220%			
35) Dibromofluoromethane	7.728	113	112142	55.228	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.460%			
50) Toluene-d8	10.185	98	377314	49.704	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.400%			
62) 4-Bromofluorobenzene	12.483	95	151299	56.106	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	44576	21.535	ug/l	97
3) Chloromethane	2.119	50	48466	18.466	ug/l	98
4) Vinyl Chloride	2.253	62	47497	18.613	ug/l	97
5) Bromomethane	2.638	94	38087	18.090	ug/l	98
6) Chloroethane	2.790	64	32080	18.501	ug/l	98
7) Trichlorofluoromethane	3.125	101	87837	21.188	ug/l	96
8) Diethyl Ether	3.534	74	27807	20.088	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	43226	20.661	ug/l	99
10) Methyl Iodide	4.095	142	44855	16.236	ug/l	97
11) Tert butyl alcohol	4.966	59	35736	107.689	ug/l #	82
12) 1,1-Dichloroethene	3.881	96	40162	18.939	ug/l	98
13) Acrolein	3.729	56	13325	84.483	ug/l	96
14) Allyl chloride	4.485	41	71870	18.697	ug/l	100
15) Acrylonitrile	5.174	53	83546	117.013	ug/l	99
16) Acetone	3.954	43	77170	98.987	ug/l	100
17) Carbon Disulfide	4.198	76	114704	16.692	ug/l	100
18) Methyl Acetate	4.485	43	89315	29.516	ug/l	99
19) Methyl tert-butyl Ether	5.229	73	132117	21.124	ug/l	98
20) Methylene Chloride	4.716	84	71560	27.110	ug/l	92
21) trans-1,2-Dichloroethene	5.235	96	46063	19.475	ug/l	94
22) Diisopropyl ether	6.125	45	153592	20.869	ug/l	96
23) Vinyl Acetate	6.070	43	395303	91.032	ug/l	97
24) 1,1-Dichloroethane	6.027	63	88269	20.801	ug/l	98
25) 2-Butanone	6.990	43	117115	122.039	ug/l	96
26) 2,2-Dichloropropane	6.990	77	71780	18.010	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	54822	20.720	ug/l	98
28) Bromochloromethane	7.344	49	38583	22.358	ug/l	94
29) Tetrahydrofuran	7.356	42	74768	122.867	ug/l	97
30) Chloroform	7.515	83	96255	21.381	ug/l	93
31) Cyclohexane	7.789	56	66933	19.319	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	84676	20.855	ug/l	99
36) 1,1-Dichloropropene	7.929	75	63331	20.006	ug/l	98
37) Ethyl Acetate	7.082	43	48781	22.333	ug/l	99
38) Carbon Tetrachloride	7.905	117	78080	21.374	ug/l	99
39) Methylcyclohexane	9.191	83	69541	19.799	ug/l	97
40) Benzene	8.167	78	196839	20.911	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	32167m	28.857	ug/l	
42) 1,2-Dichloroethane	8.240	62	71828	21.578	ug/l	99
43) Isopropyl Acetate	8.283	43	84530	22.081	ug/l	97
44) Trichloroethene	8.947	130	52873	21.023	ug/l	98
45) 1,2-Dichloropropane	9.222	63	51001	21.331	ug/l	96
46) Dibromomethane	9.313	93	31659	21.511	ug/l	98
47) Bromodichloromethane	9.502	83	74479	21.613	ug/l	99
48) Methyl methacrylate	9.301	41	40885	22.898	ug/l	98
49) 1,4-Dioxane	9.307	88	9249	494.570	ug/l #	61
51) 4-Methyl-2-Pentanone	10.075	43	256208	123.187	ug/l	100
52) Toluene	10.246	92	124514	21.338	ug/l	99
53) t-1,3-Dichloropropene	10.472	75	73583	20.284	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	79717	20.140	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	44895	22.998	ug/l	96
56) Ethyl methacrylate	10.514	69	58815	21.843	ug/l	96
57) 1,3-Dichloropropane	10.795	76	71801	21.506	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	84319	90.678	ug/l	97
59) 2-Hexanone	10.837	43	182394	121.420	ug/l	99
60) Dibromochloromethane	10.990	129	57136	22.868	ug/l	99
61) 1,2-Dibromoethane	11.093	107	43492	22.575	ug/l	99
64) Tetrachloroethene	10.721	164	59806	24.864	ug/l	99
65) Chlorobenzene	11.520	112	135140	19.930	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	54880	20.578	ug/l	98
67) Ethyl Benzene	11.599	91	234543	19.761	ug/l	99
68) m/p-Xylenes	11.709	106	182178	39.906	ug/l	100
69) o-Xylene	12.032	106	87869	20.358	ug/l	99
70) Styrene	12.051	104	150724	20.461	ug/l	99
71) Bromoform	12.209	173	40158	21.987	ug/l #	100
73) Isopropylbenzene	12.331	105	230494	18.996	ug/l	100
74) N-amyl acetate	12.148	43	70442	18.320	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	55318	20.403	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	42149m	20.198	ug/l	
77) Bromobenzene	12.611	156	62658	19.647	ug/l	96
78) n-propylbenzene	12.672	91	287727	19.414	ug/l	100
79) 2-Chlorotoluene	12.758	91	165129	19.364	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	202511	19.492	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	17709	18.344	ug/l	95
82) 4-Chlorotoluene	12.861	91	172470	19.085	ug/l	98
83) tert-Butylbenzene	13.075	119	171431	19.417	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	201515	19.594	ug/l	100
85) sec-Butylbenzene	13.258	105	252927	19.704	ug/l	99
86) p-Isopropyltoluene	13.373	119	209985	19.115	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	119875	19.687	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	120044	19.567	ug/l	99
89) n-Butylbenzene	13.697	91	194730	19.111	ug/l	99
90) Hexachloroethane	13.965	117	43273	19.768	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	111131	20.321	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11323	21.931	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	66542	19.207	ug/l	99
94) Hexachlorobutadiene	15.111	225	42136	21.067	ug/l	95
95) Naphthalene	15.239	128	138652	19.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	60885	19.449	ug/l	98

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

