

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014555.D
 Acq On : 05 Jul 2023 13:57
 Operator : KP/MD
 Sample : VY0703SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBS01

Quant Time: Jul 05 14:54:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/06/2023
 Supervised By :Mahesh Dadoda 07/06/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	320782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	475762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	441828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	234294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	169089	52.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.980%			
35) Dibromofluoromethane	7.710	113	155295	53.006	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.173	98	601574	51.942	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.880%			
62) 4-Bromofluorobenzene	12.477	95	209878	52.187	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	63617	25.409	ug/l	99
3) Chloromethane	2.107	50	91401	24.603	ug/l	99
4) Vinyl Chloride	2.241	62	101998	23.819	ug/l	97
5) Bromomethane	2.619	94	88478	26.646	ug/l	96
6) Chloroethane	2.772	64	66985	24.294	ug/l	99
7) Trichlorofluoromethane	3.107	101	120696	23.207	ug/l	99
8) Diethyl Ether	3.521	74	41954	21.305	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.881	101	71282	22.951	ug/l	98
10) Methyl Iodide	4.076	142	56730	16.007	ug/l	94
11) Tert butyl alcohol	4.942	59	91322	158.066	ug/l #	91
12) 1,1-Dichloroethene	3.857	96	68317	22.706	ug/l	86
13) Acrolein	3.717	56	44891	105.777	ug/l	96
14) Allyl chloride	4.466	41	98827	21.792	ug/l	88
15) Acrylonitrile	5.149	53	124229	109.890	ug/l	99
16) Acetone	3.942	43	100747	101.096	ug/l	90
17) Carbon Disulfide	4.180	76	208824	22.775	ug/l	100
18) Methyl Acetate	4.466	43	106289	23.430	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	185602	21.463	ug/l	100
20) Methylene Chloride	4.698	84	92491	22.899	ug/l	90
21) trans-1,2-Dichloroethene	5.204	96	74216	21.792	ug/l	97
22) Diisopropyl ether	6.106	45	199543	21.354	ug/l	94
23) Vinyl Acetate	6.051	43	556062	102.853	ug/l	96
24) 1,1-Dichloroethane	6.003	63	125621	21.414	ug/l	98
25) 2-Butanone	6.978	43	153223	103.840	ug/l	97
26) 2,2-Dichloropropane	6.972	77	97255	19.451	ug/l	97
27) cis-1,2-Dichloroethene	6.972	96	78814	20.401	ug/l	94
28) Bromochloromethane	7.326	49	59798	24.276	ug/l	92
29) Tetrahydrofuran	7.338	42	103839	109.100	ug/l	90
30) Chloroform	7.496	83	130484	21.323	ug/l	97
31) Cyclohexane	7.777	56	106842	21.341	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	109635	20.960	ug/l	99
36) 1,1-Dichloropropene	7.911	75	97705	21.777	ug/l	98
37) Ethyl Acetate	7.070	43	68100	22.132	ug/l #	93
38) Carbon Tetrachloride	7.893	117	99562	21.257	ug/l	98
39) Methylcyclohexane	9.179	83	113130	21.095	ug/l	99
40) Benzene	8.155	78	286317	21.082	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	39746m	26.441	ug/l	
42) 1,2-Dichloroethane	8.228	62	86637	21.703	ug/l	94
43) Isopropyl Acetate	8.265	43	111353	21.355	ug/l #	93
44) Trichloroethene	8.935	130	80765	21.331	ug/l	94
45) 1,2-Dichloropropane	9.209	63	76089	21.839	ug/l	96
46) Dibromomethane	9.301	93	45710	21.550	ug/l	97
47) Bromodichloromethane	9.490	83	98803	21.141	ug/l	96
48) Methyl methacrylate	9.289	41	51325	21.645	ug/l #	82
49) 1,4-Dioxane	9.295	88	15742	415.625	ug/l #	54
51) 4-Methyl-2-Pentanone	10.063	43	336721	109.075	ug/l	91
52) Toluene	10.240	92	177054	20.716	ug/l	98
53) t-1,3-Dichloropropene	10.459	75	102326	20.475	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	114519	20.538	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	64041	20.750	ug/l	97
56) Ethyl methacrylate	10.508	69	85806	20.438	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	106881	21.254	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	249377	122.610	ug/l	98
59) 2-Hexanone	10.825	43	241687	108.381	ug/l	89
60) Dibromochloromethane	10.977	129	76106	21.045	ug/l	99
61) 1,2-Dibromoethane	11.081	107	63302	21.009	ug/l	99
64) Tetrachloroethene	10.715	164	88661	22.448	ug/l	97
65) Chlorobenzene	11.514	112	194494	20.656	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	74784	20.897	ug/l	98
67) Ethyl Benzene	11.587	91	327390	20.389	ug/l	99
68) m/p-Xylenes	11.697	106	260374	40.880	ug/l	95
69) o-Xylene	12.026	106	119630	19.803	ug/l	98
70) Styrene	12.038	104	212211	20.418	ug/l	97
71) Bromoform	12.203	173	57236	21.052	ug/l #	98
73) Isopropylbenzene	12.325	105	321255	20.936	ug/l	100
74) N-amyl acetate	12.142	43	95956	20.720	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	84382	21.429	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	61865m	22.502	ug/l	
77) Bromobenzene	12.605	156	86945	20.745	ug/l	98
78) n-propylbenzene	12.666	91	404615	21.617	ug/l	99
79) 2-Chlorotoluene	12.752	91	226931	21.067	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	273045	21.019	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.374	75	28690	20.311	ug/l	88
82) 4-Chlorotoluene	12.849	91	240248	21.289	ug/l	96
83) tert-Butylbenzene	13.075	119	233007	20.410	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	271053	20.910	ug/l	98
85) sec-Butylbenzene	13.251	105	356865	21.183	ug/l	99
86) p-Isopropyltoluene	13.367	119	300021	21.162	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	170682	20.829	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	168896	20.566	ug/l	100
89) n-Butylbenzene	13.690	91	279278	21.316	ug/l	99
90) Hexachloroethane	13.959	117	61620	21.942	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	154895	20.868	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15853	21.990	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	98820	20.612	ug/l	98
94) Hexachlorobutadiene	15.111	225	65143	22.108	ug/l	99
95) Naphthalene	15.233	128	200044	19.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	90086	20.623	ug/l	99

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

