

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014686.D
 Acq On : 17 Jul 2023 20:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 18 06:15:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	229267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	387820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	348011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	148736	56.931	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.860%			
35) Dibromofluoromethane	7.716	113	134142	54.336	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.680%			
50) Toluene-d8	10.179	98	483251	53.094	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.180%			
62) 4-Bromofluorobenzene	12.483	95	181290	51.946	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.900%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	92701	49.629	ug/l	99
3) Chloromethane	2.113	50	125157	59.608	ug/l	96
4) Vinyl Chloride	2.247	62	143694	61.235	ug/l	98
5) Bromomethane	2.637	94	104645	67.480	ug/l	98
6) Chloroethane	2.784	64	95519	65.166	ug/l	97
7) Trichlorofluoromethane	3.119	101	213690	54.221	ug/l	99
8) Diethyl Ether	3.528	74	85336	58.195	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	127422	52.749	ug/l	96
10) Methyl Iodide	4.082	142	144152	55.995	ug/l	96
11) Tert butyl alcohol	4.954	59	178716	346.219	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	121281	53.719	ug/l	90
13) Acrolein	3.729	56	42224	154.629	ug/l	100
14) Allyl chloride	4.473	41	203056	50.654	ug/l	96
15) Acrylonitrile	5.155	53	264566	327.186	ug/l	98
16) Acetone	3.942	43	216617	261.647	ug/l	95
17) Carbon Disulfide	4.192	76	321734	49.775	ug/l	98
18) Methyl Acetate	4.479	43	234159	73.703	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	440944	60.125	ug/l	100
20) Methylene Chloride	4.710	84	160034	60.380	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	139810	54.568	ug/l	99
22) Diisopropyl ether	6.119	45	467422	57.353	ug/l	91
23) Vinyl Acetate	6.058	43	1341958	275.150	ug/l	95
24) 1,1-Dichloroethane	6.015	63	257004	55.112	ug/l	97
25) 2-Butanone	6.984	43	378810	312.754	ug/l	93
26) 2,2-Dichloropropane	6.978	77	206101	46.373	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	169455	56.820	ug/l	95
28) Bromochloromethane	7.332	49	114470	56.996	ug/l	93
29) Tetrahydrofuran	7.344	42	255525	342.616	ug/l	91
30) Chloroform	7.502	83	280321	58.293	ug/l	95
31) Cyclohexane	7.783	56	211758	48.827	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	242346	55.995	ug/l	98
36) 1,1-Dichloropropene	7.917	75	199840	54.128	ug/l	99
37) Ethyl Acetate	7.070	43	161198	63.416	ug/l #	94
38) Carbon Tetrachloride	7.899	117	215617	55.248	ug/l	98
39) Methylcyclohexane	9.179	83	240298	49.959	ug/l	94
40) Benzene	8.161	78	583358	55.557	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	71834m	54.942	ug/l	
42) 1,2-Dichloroethane	8.234	62	196525	59.103	ug/l	95
43) Isopropyl Acetate	8.271	43	298507	61.648	ug/l	97
44) Trichloroethene	8.941	130	165015	56.169	ug/l	97
45) 1,2-Dichloropropane	9.216	63	150647	54.944	ug/l	98
46) Dibromomethane	9.307	93	98597	59.277	ug/l	97
47) Bromodichloromethane	9.496	83	226632	57.810	ug/l	99
48) Methyl methacrylate	9.289	41	132387	60.761	ug/l	93
49) 1,4-Dioxane	9.295	88	36826	1357.787	ug/l #	47
51) 4-Methyl-2-Pentanone	10.069	43	841919	331.161	ug/l	94
52) Toluene	10.246	92	374716	55.769	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	234533	54.693	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	254491	54.574	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	140758	60.751	ug/l	97
56) Ethyl methacrylate	10.508	69	213544	60.364	ug/l	90
57) 1,3-Dichloropropane	10.788	76	236389	59.152	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	481459	292.089	ug/l	94
59) 2-Hexanone	10.831	43	612449	330.339	ug/l	92
60) Dibromochloromethane	10.984	129	170826	60.134	ug/l	100
61) 1,2-Dibromoethane	11.087	107	139606	60.399	ug/l	100
64) Tetrachloroethene	10.721	164	165228	59.033	ug/l	98
65) Chlorobenzene	11.514	112	412421	55.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	161171	57.640	ug/l	98
67) Ethyl Benzene	11.593	91	733416	54.775	ug/l	98
68) m/p-Xylenes	11.703	106	559960	109.556	ug/l	97
69) o-Xylene	12.026	106	275496	55.339	ug/l	99
70) Styrene	12.044	104	469988	56.014	ug/l	98
71) Bromoform	12.209	173	116340	61.383	ug/l #	99
73) Isopropylbenzene	12.331	105	721474	54.187	ug/l	99
74) N-amyl acetate	12.142	43	261994	58.752	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	183732	60.512	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	137317m	63.939	ug/l	
77) Bromobenzene	12.605	156	174183	57.311	ug/l	95
78) n-propylbenzene	12.672	91	857607	53.453	ug/l	99
79) 2-Chlorotoluene	12.758	91	498294	53.921	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	604613	54.374	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	61013	55.006	ug/l	93
82) 4-Chlorotoluene	12.855	91	512218	53.819	ug/l	100
83) tert-Butylbenzene	13.075	119	531377	53.871	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	596851	54.694	ug/l	100
85) sec-Butylbenzene	13.251	105	779423	53.866	ug/l	100
86) p-Isopropyltoluene	13.367	119	648190	54.866	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	330013	55.791	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	335105	56.534	ug/l	99
89) n-Butylbenzene	13.696	91	607565	52.860	ug/l	96
90) Hexachloroethane	13.959	117	130587	53.815	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	309489	57.107	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	36948	63.631	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	191190	55.574	ug/l	98
94) Hexachlorobutadiene	15.111	225	99615	52.691	ug/l	97
95) Naphthalene	15.233	128	488876	60.995	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	171866	56.211	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

