

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070323\
 Data File : VY014531.D
 Acq On : 03 Jul 2023 11:37
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 04 02:58:19 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 :Mahesh Dadoda 07/07/2023
 Supervised By :Semsettin Yesilyurt 07/07/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	429524	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	603972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	550474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	300312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	186701	43.695	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.380%		
35) Dibromofluoromethane	7.716	113	188405	50.656	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.320%		
50) Toluene-d8	10.179	98	726824	49.434	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.477	95	254186	49.787	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	155682	50.664	ug/l	97
3) Chloromethane	2.107	50	215172	43.255	ug/l	98
4) Vinyl Chloride	2.247	62	275625	48.070	ug/l	96
5) Bromomethane	2.637	94	212141	47.713	ug/l	98
6) Chloroethane	2.784	64	180817	48.976	ug/l	99
7) Trichlorofluoromethane	3.119	101	365004	52.414	ug/l	99
8) Diethyl Ether	3.521	74	131386	49.828	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	217563	52.316	ug/l	95
10) Methyl Iodide	4.082	142	272642	57.452	ug/l	91
11) Tert butyl alcohol	4.954	59	170451	228.578	ug/l	# 82
12) 1,1-Dichloroethene	3.863	96	211739	52.558	ug/l	82
13) Acrolein	3.723	56	128636	226.929	ug/l	100
14) Allyl chloride	4.472	41	286650	47.206	ug/l	# 84
15) Acrylonitrile	5.155	53	373091	246.476	ug/l	98
16) Acetone	3.942	43	405270	303.717	ug/l	# 82
17) Carbon Disulfide	4.186	76	607055	49.446	ug/l	98
18) Methyl Acetate	4.472	43	284039	46.761	ug/l	# 87
19) Methyl tert-butyl Ether	5.210	73	595542	51.434	ug/l	99
20) Methylene Chloride	4.710	84	247227	51.467	ug/l	# 83
21) trans-1,2-Dichloroethene	5.210	96	232685	51.025	ug/l	93
22) Diisopropyl ether	6.112	45	594657	47.526	ug/l	# 87
23) Vinyl Acetate	6.051	43	1813456	250.510	ug/l	# 92
24) 1,1-Dichloroethane	6.009	63	378614	48.201	ug/l	99
25) 2-Butanone	6.978	43	519672	263.021	ug/l	# 88
26) 2,2-Dichloropropane	6.972	77	336626	50.279	ug/l	93
27) cis-1,2-Dichloroethene	6.978	96	263531	50.944	ug/l	87
28) Bromochloromethane	7.326	49	138217	41.906	ug/l	# 73
29) Tetrahydrofuran	7.344	42	319081	250.374	ug/l	# 81
30) Chloroform	7.502	83	403315	49.222	ug/l	99
31) Cyclohexane	7.777	56	326284	48.673	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	357113	50.988	ug/l	96
36) 1,1-Dichloropropene	7.911	75	309259	54.297	ug/l	96
37) Ethyl Acetate	7.070	43	200991	51.455	ug/l	# 90
38) Carbon Tetrachloride	7.893	117	334440	56.248	ug/l	99
39) Methylcyclohexane	9.179	83	397879	58.442	ug/l	92
40) Benzene	8.155	78	907134	52.614	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	112366m	58.883	ug/l	
42) 1,2-Dichloroethane	8.234	62	259648	51.236	ug/l	91
43) Isopropyl Acetate	8.271	43	345067	52.128	ug/l #	89
44) Trichloroethene	8.935	130	269056	55.976	ug/l	94
45) 1,2-Dichloropropane	9.209	63	225572	51.000	ug/l	98
46) Dibromomethane	9.301	93	143288	53.214	ug/l	91
47) Bromodichloromethane	9.490	83	314312	52.978	ug/l	99
48) Methyl methacrylate	9.289	41	157871	52.445	ug/l #	76
49) 1,4-Dioxane	9.295	88	55199	1148.012	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	1029885	262.795	ug/l #	86
52) Toluene	10.240	92	590869	54.459	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	344935	54.368	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	379642	53.632	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	213372	54.459	ug/l	96
56) Ethyl methacrylate	10.508	69	301225	56.518	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	339882	53.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	659994	255.613	ug/l	93
59) 2-Hexanone	10.831	43	789197	278.779	ug/l	83
60) Dibromochloromethane	10.983	129	255604	55.675	ug/l	100
61) 1,2-Dibromoethane	11.087	107	210851	55.122	ug/l	100
64) Tetrachloroethene	10.715	164	278310	56.557	ug/l	96
65) Chlorobenzene	11.514	112	651824	55.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	249670	55.996	ug/l	98
67) Ethyl Benzene	11.587	91	1133242	56.647	ug/l	98
68) m/p-Xylenes	11.703	106	909722	114.642	ug/l	91
69) o-Xylene	12.026	106	432112	57.413	ug/l	93
70) Styrene	12.044	104	749462	57.878	ug/l	95
71) Bromoform	12.203	173	199428	58.874	ug/l	99
73) Isopropylbenzene	12.325	105	1135490	57.732	ug/l	99
74) N-amyl acetate	12.142	43	313421	52.799	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	276573	54.796	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	192426m	54.604	ug/l	
77) Bromobenzene	12.605	156	304348	56.655	ug/l	91
78) n-propylbenzene	12.666	91	1363097	56.815	ug/l	97
79) 2-Chlorotoluene	12.751	91	762355	55.214	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	961346	57.737	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	100820	55.685	ug/l #	85
82) 4-Chlorotoluene	12.849	91	795724	55.010	ug/l	95
83) tert-Butylbenzene	13.075	119	864992	59.111	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	962376	57.922	ug/l	98
85) sec-Butylbenzene	13.251	105	1264878	58.576	ug/l	98
86) p-Isopropyltoluene	13.367	119	1080464	59.457	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	594590	56.609	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	584294	55.508	ug/l	99
89) n-Butylbenzene	13.696	91	996351	59.328	ug/l	97
90) Hexachloroethane	13.959	117	202557	56.272	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	538283	56.578	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	51256	55.468	ug/l	77
93) 1,2,4-Trichlorobenzene	15.007	180	377442	61.422	ug/l	98
94) Hexachlorobutadiene	15.111	225	235826	62.441	ug/l	99
95) Naphthalene	15.233	128	816235	62.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	345699	61.742	ug/l	98

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

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