

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013654.D
 Acq On : 08 May 2023 17:45
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 09 05:00:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2023
 Supervised By : Mahesh Dadoda 05/09/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	204566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	328596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128099	57.123	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.240%			
35) Dibromofluoromethane	7.710	113	115368	55.822	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.640%			
50) Toluene-d8	10.179	98	381900	51.944	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.880%			
62) 4-Bromofluorobenzene	12.477	95	146299	59.025	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	104712	53.843	ug/l	97
3) Chloromethane	2.107	50	150859	57.871	ug/l	99
4) Vinyl Chloride	2.247	62	145455	56.039	ug/l	98
5) Bromomethane	2.649	94	118077	57.086	ug/l	100
6) Chloroethane	2.790	64	98208	54.769	ug/l	97
7) Trichlorofluoromethane	3.119	101	219401	55.798	ug/l	99
8) Diethyl Ether	3.527	74	80233	59.920	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	125231	56.779	ug/l	95
10) Methyl Iodide	4.082	142	146378	52.841	ug/l	99
11) Tert butyl alcohol	4.972	59	75970	300.643	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	115398	54.279	ug/l	89
13) Acrolein	3.722	56	30198	150.601	ug/l	95
14) Allyl chloride	4.472	41	236536	59.961	ug/l	97
15) Acrylonitrile	5.155	53	236522	315.407	ug/l	100
16) Acetone	3.948	43	277733	314.492	ug/l	98
17) Carbon Disulfide	4.192	76	340330	49.280	ug/l	99
18) Methyl Acetate	4.472	43	179963	61.700	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	383560	62.492	ug/l	100
20) Methylene Chloride	4.710	84	166294	62.059	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	133857	57.584	ug/l	95
22) Diisopropyl ether	6.112	45	511612	66.353	ug/l #	95
23) Vinyl Acetate	6.051	43	1572136	360.116	ug/l	95
24) 1,1-Dichloroethane	6.015	63	271561	63.193	ug/l	97
25) 2-Butanone	6.984	43	356764	318.543	ug/l	93
26) 2,2-Dichloropropane	6.978	77	225557	60.912	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	158767	61.817	ug/l	94
28) Bromochloromethane	7.325	49	95208	62.434	ug/l #	78
29) Tetrahydrofuran	7.344	42	219764	315.224	ug/l	89
30) Chloroform	7.502	83	271859	63.628	ug/l	98
31) Cyclohexane	7.783	56	211152	52.591	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	230829	60.543	ug/l	98
36) 1,1-Dichloropropene	7.911	75	193425	56.392	ug/l	97
37) Ethyl Acetate	7.069	43	154807	59.975	ug/l	95
38) Carbon Tetrachloride	7.899	117	204334	56.838	ug/l	94
39) Methylcyclohexane	9.179	83	215166	53.211	ug/l	97
40) Benzene	8.155	78	572140	59.216	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	81628m	67.864	ug/l	
42) 1,2-Dichloroethane	8.234	62	192514	60.945	ug/l	98
43) Isopropyl Acetate	8.270	43	269391	61.832	ug/l	95
44) Trichloroethene	8.935	130	147492	57.388	ug/l	92
45) 1,2-Dichloropropane	9.215	63	157929	62.515	ug/l	98
46) Dibromomethane	9.301	93	91017	60.214	ug/l	93
47) Bromodichloromethane	9.496	83	214313	63.363	ug/l	99
48) Methyl methacrylate	9.289	41	124439	62.191	ug/l	95
49) 1,4-Dioxane	9.307	88	25386	1175.925	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	762101	313.906	ug/l	96
52) Toluene	10.240	92	350317	60.251	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	222824	62.248	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	247668	61.488	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	123424	61.658	ug/l	96
56) Ethyl methacrylate	10.508	69	177426	63.889	ug/l	88
57) 1,3-Dichloropropane	10.788	76	213493	62.975	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	302923	290.889	ug/l	93
59) 2-Hexanone	10.831	43	560826	317.781	ug/l	96
60) Dibromochloromethane	10.983	129	150669	61.989	ug/l	99
61) 1,2-Dibromoethane	11.087	107	120196	61.074	ug/l	99
64) Tetrachloroethene	10.715	164	124325	54.492	ug/l	97
65) Chlorobenzene	11.514	112	376283	57.571	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	147134	60.192	ug/l	99
67) Ethyl Benzene	11.587	91	672133	58.563	ug/l	98
68) m/p-Xylenes	11.697	106	511651	117.268	ug/l	97
69) o-Xylene	12.026	106	244158	59.170	ug/l	95
70) Styrene	12.038	104	426778	61.857	ug/l	100
71) Bromoform	12.203	173	103287	60.324	ug/l #	100
73) Isopropylbenzene	12.325	105	648392	54.962	ug/l	97
74) N-amyl acetate	12.142	43	239418	57.030	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	160099	55.522	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	109148m	51.889	ug/l	
77) Bromobenzene	12.605	156	159283	55.723	ug/l	91
78) n-propylbenzene	12.666	91	803424	55.291	ug/l	96
79) 2-Chlorotoluene	12.751	91	454996	56.072	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	543233	56.418	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	57723	56.134	ug/l	95
82) 4-Chlorotoluene	12.855	91	471800	55.784	ug/l	97
83) tert-Butylbenzene	13.074	119	470809	56.438	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	545174	58.236	ug/l	99
85) sec-Butylbenzene	13.251	105	694632	55.482	ug/l	98
86) p-Isopropyltoluene	13.367	119	570569	56.671	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	310035	56.930	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	306155	55.652	ug/l	100
89) n-Butylbenzene	13.696	91	557091	56.692	ug/l	98
90) Hexachloroethane	13.958	117	118397	55.874	ug/l	94
91) 1,2-Dichlorobenzene	13.733	146	280774	57.093	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27805	54.598	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	178156	60.762	ug/l	98
94) Hexachlorobutadiene	15.111	225	102032	59.794	ug/l	98
95) Naphthalene	15.233	128	380223	59.768	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	161904	61.954	ug/l	98

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

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