

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050123\
 Data File : VY013543.D
 Acq On : 01 May 2023 17:13
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/02/2023
 Supervised By :Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:50:38 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	291704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	445761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	406606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	206319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	168847	52.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.600%			
35) Dibromofluoromethane	7.716	113	145443	51.877	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.760%			
50) Toluene-d8	10.179	98	500419	50.174	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.477	95	182097	54.157	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	146806	52.938	ug/l	99
3) Chloromethane	2.107	50	166344	44.749	ug/l	97
4) Vinyl Chloride	2.247	62	166104	44.878	ug/l	100
5) Bromomethane	2.650	94	123699	41.939	ug/l	99
6) Chloroethane	2.790	64	112785	44.109	ug/l	99
7) Trichlorofluoromethane	3.125	101	284655	50.768	ug/l	99
8) Diethyl Ether	3.527	74	101289	53.048	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	154932	49.262	ug/l	98
10) Methyl Iodide	4.088	142	197577	50.017	ug/l	98
11) Tert butyl alcohol	4.972	59	112963m	313.471	ug/l	
12) 1,1-Dichloroethene	3.869	96	148739	49.062	ug/l	93
13) Acrolein	3.729	56	65260	232.969	ug/l	95
14) Allyl chloride	4.472	41	280862	49.929	ug/l	97
15) Acrylonitrile	5.155	53	330823	309.376	ug/l	98
16) Acetone	3.954	43	403505	320.422	ug/l	95
17) Carbon Disulfide	4.192	76	462096	46.924	ug/l	100
18) Methyl Acetate	4.479	43	245653	59.063	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	492090	56.224	ug/l	99
20) Methylene Chloride	4.710	84	195106	49.351	ug/l	88
21) trans-1,2-Dichloroethene	5.216	96	169739	51.208	ug/l	95
22) Diisopropyl ether	6.112	45	591391	53.788	ug/l	94
23) Vinyl Acetate	6.058	43	1831893m	294.268	ug/l	
24) 1,1-Dichloroethane	6.015	63	316318	51.620	ug/l	100
25) 2-Butanone	6.984	43	515241	322.618	ug/l	94
26) 2,2-Dichloropropane	6.978	77	274744	52.032	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	196809	53.739	ug/l	97
28) Bromochloromethane	7.332	49	113517	52.203	ug/l	83
29) Tetrahydrofuran	7.344	42	318950	320.831	ug/l	93
30) Chloroform	7.502	83	330412	54.232	ug/l	98
31) Cyclohexane	7.783	56	267213	46.673	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	289857	53.315	ug/l	98
36) 1,1-Dichloropropene	7.917	75	241597	51.923	ug/l	98
37) Ethyl Acetate	7.070	43	214743	61.328	ug/l	96
38) Carbon Tetrachloride	7.899	117	266909	54.729	ug/l	97
39) Methylcyclohexane	9.179	83	282743	51.544	ug/l	95
40) Benzene	8.155	78	698381	53.283	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	74665m	45.759	ug/l	
42) 1,2-Dichloroethane	8.234	62	245567	57.307	ug/l	99
43) Isopropyl Acetate	8.271	43	356897	60.386	ug/l	97
44) Trichloroethene	8.935	130	188746	54.137	ug/l	99
45) 1,2-Dichloropropane	9.216	63	185801	54.216	ug/l	97
46) Dibromomethane	9.301	93	117234	57.173	ug/l	96
47) Bromodichloromethane	9.496	83	261802	57.059	ug/l	97
48) Methyl methacrylate	9.289	41	165285	60.892	ug/l	95
49) 1,4-Dioxane	9.313	88	39473	1347.862	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	1080647	328.119	ug/l	97
52) Toluene	10.240	92	434834	55.130	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	281632	57.997	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	300426	54.982	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	157712	58.079	ug/l	98
56) Ethyl methacrylate	10.508	69	240683	63.887	ug/l	91
57) 1,3-Dichloropropane	10.788	76	270796	58.882	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	388050	274.690	ug/l	94
59) 2-Hexanone	10.831	43	825531	344.821	ug/l	97
60) Dibromochloromethane	10.983	129	191047	57.942	ug/l	99
61) 1,2-Dibromoethane	11.087	107	157613	59.036	ug/l	99
64) Tetrachloroethene	10.715	164	164884	53.328	ug/l	96
65) Chlorobenzene	11.514	112	467926	52.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	185223	55.914	ug/l	99
67) Ethyl Benzene	11.593	91	846156	54.402	ug/l	99
68) m/p-Xylenes	11.703	106	644504	109.002	ug/l	97
69) o-Xylene	12.026	106	305429	54.619	ug/l	97
70) Styrene	12.044	104	526493	56.310	ug/l	99
71) Bromoform	12.203	173	138742	59.794	ug/l #	98
73) Isopropylbenzene	12.331	105	795412	50.971	ug/l	98
74) N-amyl acetate	12.142	43	324679	58.466	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	212140	55.616	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	159009m	57.147	ug/l	
77) Bromobenzene	12.605	156	205406	54.323	ug/l	92
78) n-propylbenzene	12.672	91	991724	51.595	ug/l	98
79) 2-Chlorotoluene	12.751	91	563737	52.520	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	675447	53.031	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	77361	56.873	ug/l	96
82) 4-Chlorotoluene	12.855	91	582963	52.108	ug/l	97
83) tert-Butylbenzene	13.075	119	577831	52.364	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	668364	53.973	ug/l	100
85) sec-Butylbenzene	13.251	105	862820	52.099	ug/l	99
86) p-Isopropyltoluene	13.367	119	709315	53.259	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	384066	53.314	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	385197	52.933	ug/l	99
89) n-Butylbenzene	13.696	91	680404	52.344	ug/l	99
90) Hexachloroethane	13.959	117	140508	50.128	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	360156	55.364	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	40173	59.634	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	234523	60.468	ug/l	99
94) Hexachlorobutadiene	15.111	225	133107	58.970	ug/l	100
95) Naphthalene	15.239	128	554887	65.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	214587	62.076	ug/l	99

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

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