

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013511.D
 Acq On : 27 Apr 2023 22:44
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/28/2023
 Supervised By :Mahesh Dadoda 04/28/2023

Quant Time: Apr 28 01:36:38 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	7.783	168	279092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	437209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	398218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	194857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	166646	54.469	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.940%			
35) Dibromofluoromethane	7.716	113	144283	52.469	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.940%			
50) Toluene-d8	10.179	98	490130	50.104	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.477	95	174385	52.878	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	121457	45.776	ug/l	99
3) Chloromethane	2.107	50	149195	41.949	ug/l	99
4) Vinyl Chloride	2.247	62	143939	40.647	ug/l	99
5) Bromomethane	2.650	94	114205	40.470	ug/l	98
6) Chloroethane	2.790	64	96518	39.453	ug/l	98
7) Trichlorofluoromethane	3.119	101	237944	44.355	ug/l	98
8) Diethyl Ether	3.528	74	85629	46.873	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	130809	43.471	ug/l	98
10) Methyl Iodide	4.082	142	162001	42.864	ug/l	98
11) Tert butyl alcohol	4.985	59	97537	282.959	ug/l #	89
12) 1,1-Dichloroethene	3.869	96	126826	43.725	ug/l	93
13) Acrolein	3.729	56	64206	239.824	ug/l	95
14) Allyl chloride	4.473	41	239651	44.528	ug/l	97
15) Acrylonitrile	5.161	53	274207	268.019	ug/l	99
16) Acetone	3.954	43	237765	197.340	ug/l	96
17) Carbon Disulfide	4.186	76	406860	43.182	ug/l	98
18) Methyl Acetate	4.473	43	202643	50.924	ug/l	95
19) Methyl tert-butyl Ether	5.210	73	412294	49.236	ug/l	98
20) Methylene Chloride	4.710	84	175234	45.736	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	147990	46.664	ug/l	96
22) Diisopropyl ether	6.112	45	520794	49.507	ug/l	95
23) Vinyl Acetate	6.051	43	1535846m	257.861	ug/l	
24) 1,1-Dichloroethane	6.009	63	276888	47.227	ug/l	99
25) 2-Butanone	6.984	43	370780	242.655	ug/l	94
26) 2,2-Dichloropropane	6.978	77	211165	41.798	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	169657	48.418	ug/l	97
28) Bromochloromethane	7.326	49	112964	54.296	ug/l #	81
29) Tetrahydrofuran	7.344	42	254878	267.967	ug/l	92
30) Chloroform	7.502	83	289451	49.656	ug/l	100
31) Cyclohexane	7.783	56	228258	41.670	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	247425	47.567	ug/l	98
36) 1,1-Dichloropropene	7.911	75	210402	46.103	ug/l	97
37) Ethyl Acetate	7.070	43	177834	51.781	ug/l	95
38) Carbon Tetrachloride	7.899	117	225165	47.073	ug/l	96
39) Methylcyclohexane	9.179	83	235259	43.727	ug/l	97
40) Benzene	8.155	78	622433	48.418	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	77510m	48.432	ug/l	
42) 1,2-Dichloroethane	8.234	62	217987	51.866	ug/l	99
43) Isopropyl Acetate	8.271	43	294300	50.769	ug/l	96
44) Trichloroethene	8.935	130	157965	46.194	ug/l	91
45) 1,2-Dichloropropane	9.209	63	166013	49.390	ug/l	99
46) Dibromomethane	9.301	93	100762	50.101	ug/l	96
47) Bromodichloromethane	9.496	83	227958	50.654	ug/l	99
48) Methyl methacrylate	9.289	41	136044	51.100	ug/l	95
49) 1,4-Dioxane	9.307	88	32388	1127.567	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	878203	271.866	ug/l	96
52) Toluene	10.240	92	378711	48.954	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	232671	48.852	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	257326	48.015	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	136824	51.372	ug/l	98
56) Ethyl methacrylate	10.508	69	194084	52.526	ug/l	90
57) 1,3-Dichloropropane	10.788	76	232260	51.491	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	360326	260.054	ug/l	94
59) 2-Hexanone	10.831	43	622539	265.119	ug/l	96
60) Dibromochloromethane	10.984	129	164061	50.731	ug/l	100
61) 1,2-Dibromoethane	11.087	107	132837	50.729	ug/l	99
64) Tetrachloroethene	10.715	164	144619	47.759	ug/l	96
65) Chlorobenzene	11.514	112	404904	46.676	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	157784	48.634	ug/l	100
67) Ethyl Benzene	11.587	91	721713	47.379	ug/l	98
68) m/p-Xylenes	11.697	106	545637	94.225	ug/l	96
69) o-Xylene	12.026	106	259625	47.406	ug/l	96
70) Styrene	12.038	104	449030	49.036	ug/l	99
71) Bromoform	12.203	173	116577	51.300	ug/l #	98
73) Isopropylbenzene	12.325	105	667093	45.263	ug/l	99
74) N-amyl acetate	12.142	43	257266	49.052	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	172514	47.888	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	122698m	46.691	ug/l	
77) Bromobenzene	12.605	156	173235	48.510	ug/l	91
78) n-propylbenzene	12.666	91	827685	45.594	ug/l	97
79) 2-Chlorotoluene	12.752	91	472981	46.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	557281	46.327	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	59526	46.335	ug/l	94
82) 4-Chlorotoluene	12.849	91	486889	46.080	ug/l	98
83) tert-Butylbenzene	13.075	119	484557	46.495	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	560419	47.918	ug/l	100
85) sec-Butylbenzene	13.251	105	700209	44.767	ug/l	98
86) p-Isopropyltoluene	13.367	119	574069	45.640	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	318889	46.870	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	318680	46.369	ug/l	100
89) n-Butylbenzene	13.696	91	535586	43.627	ug/l	99
90) Hexachloroethane	13.959	117	117328	44.320	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	299235	48.705	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31715	49.848	ug/l	90
93) 1,2,4-Trichlorobenzene	15.001	180	173288	47.307	ug/l	98
94) Hexachlorobutadiene	15.111	225	94486	44.322	ug/l	99
95) Naphthalene	15.233	128	395721	49.791	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	161195	49.373	ug/l	99

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

