

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013702.D
 Acq On : 10 May 2023 20:45
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/11/2023
 Supervised By :Mahesh Dadoda 05/11/2023

Quant Time: May 11 03:34:58 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	218666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	333104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	308106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	160077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	135276	56.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.860%			
35) Dibromofluoromethane	7.716	113	120271	57.407	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.820%			
50) Toluene-d8	10.179	98	404289	54.245	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.480%			
62) 4-Bromofluorobenzene	12.483	95	148358	59.046	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 118.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	110069	52.948	ug/l	98
3) Chloromethane	2.107	50	130007	46.656	ug/l	98
4) Vinyl Chloride	2.247	62	131771	47.493	ug/l	99
5) Bromomethane	2.649	94	97777	44.223	ug/l	98
6) Chloroethane	2.790	64	83267	43.442	ug/l	94
7) Trichlorofluoromethane	3.125	101	225890	53.744	ug/l	97
8) Diethyl Ether	3.527	74	74739	52.218	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.899	101	119942	50.875	ug/l	98
10) Methyl Iodide	4.088	142	146064	49.327	ug/l	97
11) Tert butyl alcohol	4.960	59	90638	335.486	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	111918	49.248	ug/l	90
13) Acrolein	3.729	56	32713	152.747	ug/l	96
14) Allyl chloride	4.478	41	210980	50.034	ug/l	98
15) Acrylonitrile	5.161	53	216120	269.617	ug/l	99
16) Acetone	3.948	43	217802	230.726	ug/l	99
17) Carbon Disulfide	4.192	76	325335	44.071	ug/l	99
18) Methyl Acetate	4.478	43	162966	52.270	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	356302	54.307	ug/l	99
20) Methylene Chloride	4.716	84	174500	60.746	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	128885	51.870	ug/l	96
22) Diisopropyl ether	6.118	45	460233	55.840	ug/l	95
23) Vinyl Acetate	6.057	43	1377963	295.285	ug/l	96
24) 1,1-Dichloroethane	6.015	63	252225	54.909	ug/l	98
25) 2-Butanone	6.984	43	298908	249.676	ug/l	97
26) 2,2-Dichloropropane	6.978	77	212546	53.698	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	152197	55.438	ug/l	96
28) Bromochloromethane	7.332	49	86731	53.207	ug/l	84
29) Tetrahydrofuran	7.350	42	191628	257.143	ug/l	91
30) Chloroform	7.502	83	261245	57.201	ug/l	98
31) Cyclohexane	7.783	56	199465	46.476	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	229029	56.197	ug/l	98
36) 1,1-Dichloropropene	7.917	75	186003	53.494	ug/l	97
37) Ethyl Acetate	7.069	43	131886	50.403	ug/l	98
38) Carbon Tetrachloride	7.899	117	208367	57.175	ug/l	95
39) Methylcyclohexane	9.185	83	208685	50.910	ug/l	98
40) Benzene	8.161	78	545923	55.738	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	59669	48.936	ug/l	91
42) 1,2-Dichloroethane	8.234	62	187483	58.549	ug/l	97
43) Isopropyl Acetate	8.270	43	234259	53.041	ug/l	97
44) Trichloroethene	8.935	130	145379	55.801	ug/l	99
45) 1,2-Dichloropropane	9.215	63	144675	56.494	ug/l	96
46) Dibromomethane	9.301	93	84045	54.849	ug/l	98
47) Bromodichloromethane	9.496	83	203188	59.261	ug/l	97
48) Methyl methacrylate	9.295	41	110400	54.428	ug/l	94
49) 1,4-Dioxane	9.301	88	21908	1001.084	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	669640	272.089	ug/l	96
52) Toluene	10.240	92	336840	57.149	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	205527	56.639	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	229586	56.228	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	117908	58.106	ug/l	95
56) Ethyl methacrylate	10.508	69	161580	57.395	ug/l	93
57) 1,3-Dichloropropane	10.788	76	198032	57.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	278371	263.694	ug/l	94
59) 2-Hexanone	10.831	43	473343	264.581	ug/l	95
60) Dibromochloromethane	10.983	129	146848	59.600	ug/l	100
61) 1,2-Dibromoethane	11.087	107	111616	55.947	ug/l	99
64) Tetrachloroethene	10.721	164	127478	54.411	ug/l	98
65) Chlorobenzene	11.514	112	365185	54.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	142980	56.960	ug/l	99
67) Ethyl Benzene	11.593	91	648768	55.047	ug/l	99
68) m/p-Xylenes	11.703	106	496302	110.771	ug/l	97
69) o-Xylene	12.026	106	237041	55.941	ug/l	98
70) Styrene	12.044	104	407508	57.517	ug/l	100
71) Bromoform	12.203	173	99892	56.814	ug/l #	99
73) Isopropylbenzene	12.331	105	624287	51.561	ug/l	98
74) N-amyl acetate	12.142	43	203683	47.273	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	145304	49.099	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	106866m	49.502	ug/l	
77) Bromobenzene	12.605	156	157599	53.720	ug/l	96
78) n-propylbenzene	12.672	91	769529	51.600	ug/l	97
79) 2-Chlorotoluene	12.757	91	434123	52.128	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	519441	52.563	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	49138	46.560	ug/l	92
82) 4-Chlorotoluene	12.855	91	445260	51.296	ug/l	98
83) tert-Butylbenzene	13.074	119	456155	53.279	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	518358	53.952	ug/l	99
85) sec-Butylbenzene	13.251	105	668161	51.999	ug/l	99
86) p-Isopropyltoluene	13.367	119	552848	53.502	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	297818	53.284	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	295113	52.269	ug/l	99
89) n-Butylbenzene	13.696	91	523675	51.925	ug/l	98
90) Hexachloroethane	13.958	117	110987	51.034	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	271217	53.736	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25748	49.262	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	167547	55.678	ug/l	97
94) Hexachlorobutadiene	15.111	225	100512	57.392	ug/l	100
95) Naphthalene	15.233	128	350505	53.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	152354	56.804	ug/l	99

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

