

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013416.D
 Acq On : 24 Apr 2023 23:34
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 25 07:10:09 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 :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	255306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	405370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	363990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	140605	50.239	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.480%			
35) Dibromofluoromethane	7.716	113	126034	49.433	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.860%			
50) Toluene-d8	10.179	98	431437	47.568	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.140%			
62) 4-Bromofluorobenzene	12.483	95	150208	49.124	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	124238	51.187	ug/l	98
3) Chloromethane	2.113	50	137573	42.286	ug/l	99
4) Vinyl Chloride	2.253	62	136401	42.107	ug/l	96
5) Bromomethane	2.656	94	110007	42.614	ug/l	96
6) Chloroethane	2.796	64	90552	40.463	ug/l	96
7) Trichlorofluoromethane	3.131	101	229184	46.702	ug/l	98
8) Diethyl Ether	3.534	74	82935	49.628	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.905	101	127411	46.287	ug/l	97
10) Methyl Iodide	4.088	142	178578	51.653	ug/l	99
11) Tert butyl alcohol	4.978	59	95311	302.218	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	124392	46.881	ug/l	96
13) Acrolein	3.735	56	62014	253.730	ug/l	95
14) Allyl chloride	4.478	41	229540	46.623	ug/l	97
15) Acrylonitrile	5.167	53	272425	291.085	ug/l	99
16) Acetone	3.954	43	256878	233.067	ug/l	98
17) Carbon Disulfide	4.198	76	410490	47.626	ug/l	99
18) Methyl Acetate	4.478	43	204767	56.251	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	399901	52.205	ug/l	99
20) Methylene Chloride	4.722	84	172292	49.880	ug/l	92
21) trans-1,2-Dichloroethene	5.222	96	145689	50.218	ug/l	98
22) Diisopropyl ether	6.118	45	480167	49.898	ug/l	95
23) Vinyl Acetate	6.064	43	1409350m	258.668	ug/l	
24) 1,1-Dichloroethane	6.015	63	261047	48.674	ug/l	97
25) 2-Butanone	6.990	43	383070	274.055	ug/l	95
26) 2,2-Dichloropropane	6.984	77	208023	45.013	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	162786	50.785	ug/l	98
28) Bromochloromethane	7.332	49	93057	48.895	ug/l	87
29) Tetrahydrofuran	7.350	42	263622	302.982	ug/l	93
30) Chloroform	7.508	83	269373	50.517	ug/l	99
31) Cyclohexane	7.789	56	223650	44.633	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	233359	49.042	ug/l	96
36) 1,1-Dichloropropene	7.917	75	198825	46.988	ug/l	98
37) Ethyl Acetate	7.069	43	176771	55.514	ug/l	96
38) Carbon Tetrachloride	7.905	117	214747	48.421	ug/l	96
39) Methylcyclohexane	9.185	83	236035	47.317	ug/l	99
40) Benzene	8.161	78	585983	49.162	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	78033m	52.588	ug/l	
42) 1,2-Dichloroethane	8.240	62	199840	51.283	ug/l	99
43) Isopropyl Acetate	8.270	43	289640	53.889	ug/l	96
44) Trichloroethene	8.941	130	153844	48.523	ug/l	97
45) 1,2-Dichloropropane	9.215	63	153170	49.148	ug/l	98
46) Dibromomethane	9.307	93	98160	52.641	ug/l	96
47) Bromodichloromethane	9.496	83	213441	51.154	ug/l	97
48) Methyl methacrylate	9.295	41	135224	54.781	ug/l	96
49) 1,4-Dioxane	9.313	88	32158	1207.494	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	875448	292.299	ug/l	97
52) Toluene	10.246	92	356507	49.703	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	224289	50.790	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	243830	49.070	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	131664	53.318	ug/l	98
56) Ethyl methacrylate	10.508	69	192126	56.080	ug/l	92
57) 1,3-Dichloropropane	10.788	76	220147	52.639	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	318936	248.261	ug/l	95
59) 2-Hexanone	10.831	43	634746	291.549	ug/l	98
60) Dibromochloromethane	10.983	129	156710	52.264	ug/l	99
61) 1,2-Dibromoethane	11.087	107	128165	52.790	ug/l	99
64) Tetrachloroethene	10.721	164	134175	48.477	ug/l	95
65) Chlorobenzene	11.514	112	385760	48.651	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	148066	49.930	ug/l	99
67) Ethyl Benzene	11.593	91	674812	48.466	ug/l	100
68) m/p-Xylenes	11.703	106	518644	97.986	ug/l	99
69) o-Xylene	12.026	106	246602	49.262	ug/l	98
70) Styrene	12.044	104	421147	50.316	ug/l	99
71) Bromoform	12.209	173	108119	52.052	ug/l #	99
73) Isopropylbenzene	12.331	105	637045	47.071	ug/l	99
74) N-amyl acetate	12.142	43	251703	52.263	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	175895	53.173	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	104168m	43.168	ug/l	
77) Bromobenzene	12.611	156	160383	48.908	ug/l	91
78) n-propylbenzene	12.672	91	784191	47.043	ug/l	98
79) 2-Chlorotoluene	12.757	91	444970	47.800	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	531241	48.093	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	62321	52.829	ug/l	97
82) 4-Chlorotoluene	12.855	91	462042	47.621	ug/l	98
83) tert-Butylbenzene	13.075	119	456722	47.724	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	525484	48.930	ug/l	100
85) sec-Butylbenzene	13.251	105	674545	46.965	ug/l	98
86) p-Isopropyltoluene	13.367	119	543887	47.089	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	299530	47.943	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	300042	47.543	ug/l	100
89) n-Butylbenzene	13.696	91	522615	46.359	ug/l	99
90) Hexachloroethane	13.958	117	113738	46.788	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	278036	49.282	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	32251	55.202	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	171250	50.912	ug/l	97
94) Hexachlorobutadiene	15.111	225	95314	48.690	ug/l	98
95) Naphthalene	15.233	128	430327	58.964	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	158547	52.885	ug/l	99

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

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