

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013748.D
 Acq On : 15 May 2023 19:55
 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 05/16/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 16 01:36:19 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	196053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	306704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	276518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	112060	52.141	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.280%			
35) Dibromofluoromethane	7.716	113	107073	55.506	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.020%			
50) Toluene-d8	10.179	98	344795	50.244	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.483	95	132012	57.062	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	91772	49.238	ug/l	97
3) Chloromethane	2.113	50	130072	52.063	ug/l	99
4) Vinyl Chloride	2.253	62	131981	53.056	ug/l	96
5) Bromomethane	2.650	94	101083	50.992	ug/l	100
6) Chloroethane	2.796	64	86389	50.270	ug/l	95
7) Trichlorofluoromethane	3.125	101	201346	53.429	ug/l	98
8) Diethyl Ether	3.527	74	66878	52.115	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	116714	55.216	ug/l	95
10) Methyl Iodide	4.094	142	132325	49.842	ug/l	99
11) Tert butyl alcohol	4.966	59	56896	235.079	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	105493	51.774	ug/l	94
13) Acrolein	3.735	56	29261	152.366	ug/l	92
14) Allyl chloride	4.479	41	207419	54.863	ug/l	96
15) Acrylonitrile	5.167	53	193085	268.664	ug/l	99
16) Acetone	3.954	43	180373	213.115	ug/l	95
17) Carbon Disulfide	4.198	76	297591	44.963	ug/l	99
18) Methyl Acetate	4.479	43	151306	54.127	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	331893	56.422	ug/l	99
20) Methylene Chloride	4.716	84	147562	56.745	ug/l #	85
21) trans-1,2-Dichloroethene	5.222	96	121524	54.549	ug/l	94
22) Diisopropyl ether	6.118	45	452662	61.257	ug/l #	95
23) Vinyl Acetate	6.064	43	1332919	318.578	ug/l	95
24) 1,1-Dichloroethane	6.021	63	241453	58.627	ug/l	97
25) 2-Butanone	6.990	43	263886	245.846	ug/l	92
26) 2,2-Dichloropropane	6.984	77	198468	55.924	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	139873	56.826	ug/l	95
28) Bromochloromethane	7.338	49	81498	55.764	ug/l #	80
29) Tetrahydrofuran	7.350	42	171350	256.453	ug/l	91
30) Chloroform	7.508	83	239509	58.491	ug/l	98
31) Cyclohexane	7.783	56	192849	50.118	ug/l	89
32) 1,1,1-Trichloroethane	7.704	97	209024	57.204	ug/l	97
36) 1,1-Dichloropropene	7.923	75	174103	54.382	ug/l	97
37) Ethyl Acetate	7.076	43	118842	49.328	ug/l	98
38) Carbon Tetrachloride	7.905	117	187035	55.739	ug/l	95
39) Methylcyclohexane	9.185	83	199827	52.945	ug/l	95
40) Benzene	8.161	78	505451	56.048	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	48372m	43.086	ug/l	
42) 1,2-Dichloroethane	8.234	62	164181	55.686	ug/l	99
43) Isopropyl Acetate	8.271	43	217327	53.443	ug/l	96
44) Trichloroethene	8.941	130	129406	53.945	ug/l	90
45) 1,2-Dichloropropane	9.215	63	139340	59.094	ug/l	98
46) Dibromomethane	9.307	93	77061	54.620	ug/l	95
47) Bromodichloromethane	9.496	83	186957	59.221	ug/l #	98
48) Methyl methacrylate	9.295	41	99060	53.041	ug/l	96
49) 1,4-Dioxane	9.301	88	19443	964.920	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	607349	268.021	ug/l	96
52) Toluene	10.246	92	311583	57.415	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	191406	57.288	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	214188	56.972	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	105341	56.381	ug/l	95
56) Ethyl methacrylate	10.508	69	147177	56.779	ug/l	89
57) 1,3-Dichloropropane	10.788	76	181580	57.384	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	243429	250.443	ug/l	92
59) 2-Hexanone	10.831	43	419662	254.767	ug/l	96
60) Dibromochloromethane	10.983	129	131747	58.073	ug/l	99
61) 1,2-Dibromoethane	11.087	107	101709	55.369	ug/l	99
64) Tetrachloroethene	10.715	164	112595	53.549	ug/l	97
65) Chlorobenzene	11.514	112	331107	54.968	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	129974	57.694	ug/l	100
67) Ethyl Benzene	11.593	91	604534	57.153	ug/l	99
68) m/p-Xylenes	11.703	106	454664	113.070	ug/l	96
69) o-Xylene	12.026	106	216955	57.050	ug/l	96
70) Styrene	12.044	104	371832	58.477	ug/l	99
71) Bromoform	12.209	173	87989	55.761	ug/l #	99
73) Isopropylbenzene	12.331	105	586234	55.099	ug/l	98
74) N-amyl acetate	12.142	43	196804	51.979	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	132644	51.005	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	94652m	49.893	ug/l	
77) Bromobenzene	12.605	156	140258	54.405	ug/l	91
78) n-propylbenzene	12.672	91	726179	55.411	ug/l	96
79) 2-Chlorotoluene	12.758	91	405241	55.373	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	483071	55.627	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	45653	49.226	ug/l	96
82) 4-Chlorotoluene	12.855	91	424517	55.654	ug/l	97
83) tert-Butylbenzene	13.075	119	426332	56.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	485642	57.520	ug/l	99
85) sec-Butylbenzene	13.251	105	633851	56.135	ug/l	98
86) p-Isopropyltoluene	13.367	119	518202	57.069	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	274829	55.955	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	271863	54.795	ug/l	100
89) n-Butylbenzene	13.696	91	503347	56.795	ug/l	98
90) Hexachloroethane	13.959	117	104716	54.794	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	247982	55.911	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21879	47.635	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	151526	57.301	ug/l	98
94) Hexachlorobutadiene	15.111	225	91027	59.148	ug/l	99
95) Naphthalene	15.233	128	312732	54.507	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	138176	58.626	ug/l	99

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

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