

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051123\
 Data File : VY013723.D
 Acq On : 11 May 2023 18:07
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 12 04:46:55 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	418823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	650772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	589171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	289017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	262792	57.238	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.480%			
35) Dibromofluoromethane	7.710	113	225861	55.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.360%			
50) Toluene-d8	10.173	98	779056	53.504	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.000%			
62) 4-Bromofluorobenzene	12.477	95	282172	57.483	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 114.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	111726	28.060	ug/l	100
3) Chloromethane	2.107	50	143501	26.887	ug/l	97
4) Vinyl Chloride	2.247	62	142279	26.774	ug/l	99
5) Bromomethane	2.644	94	108536	25.629	ug/l	99
6) Chloroethane	2.790	64	93333	25.423	ug/l	95
7) Trichlorofluoromethane	3.119	101	225778	28.045	ug/l	98
8) Diethyl Ether	3.522	74	77677	28.334	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.900	101	130030	28.796	ug/l	96
10) Methyl Iodide	4.082	142	146620	25.852	ug/l	99
11) Tert butyl alcohol	4.948	59	91376	176.890	ug/l #	88
12) 1,1-Dichloroethene	3.863	96	119340	27.417	ug/l	93
13) Acrolein	3.723	56	42516	100.696	ug/l	94
14) Allyl chloride	4.473	41	232786	28.822	ug/l	97
15) Acrylonitrile	5.155	53	229006	149.159	ug/l	99
16) Acetone	3.948	43	255139	141.111	ug/l	95
17) Carbon Disulfide	4.186	76	336942	23.830	ug/l	98
18) Methyl Acetate	4.473	43	175768	29.434	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	379998	30.239	ug/l	100
20) Methylene Chloride	4.704	84	167044	25.532	ug/l #	83
21) trans-1,2-Dichloroethene	5.210	96	134612	28.285	ug/l	96
22) Diisopropyl ether	6.113	45	505828	32.042	ug/l	97
23) Vinyl Acetate	6.052	43	1525029	170.621	ug/l	95
24) 1,1-Dichloroethane	6.009	63	268526	30.521	ug/l	98
25) 2-Butanone	6.978	43	338982	147.831	ug/l	91
26) 2,2-Dichloropropane	6.972	77	233580	30.810	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	157648	29.981	ug/l	93
28) Bromochloromethane	7.332	49	94840	30.377	ug/l #	80
29) Tetrahydrofuran	7.344	42	207817	145.595	ug/l	90
30) Chloroform	7.496	83	270404	30.912	ug/l	100
31) Cyclohexane	7.783	56	226928	27.606	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	238731	30.583	ug/l	97
36) 1,1-Dichloropropene	7.911	75	195773	28.820	ug/l	97
37) Ethyl Acetate	7.070	43	145225	28.409	ug/l	97
38) Carbon Tetrachloride	7.893	117	214156	30.079	ug/l	97
39) Methylcyclohexane	9.179	83	225076	28.105	ug/l	94
40) Benzene	8.155	78	564131	29.482	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	58417	24.523	ug/l #	86
42) 1,2-Dichloroethane	8.234	62	190480	30.448	ug/l	98
43) Isopropyl Acetate	8.271	43	259006	30.018	ug/l	96
44) Trichloroethene	8.935	130	144510	28.391	ug/l	93
45) 1,2-Dichloropropane	9.210	63	152793	30.539	ug/l	99
46) Dibromomethane	9.301	93	87318	29.168	ug/l	96
47) Bromodichloromethane	9.490	83	208162	31.076	ug/l	99
48) Methyl methacrylate	9.289	41	117644	29.687	ug/l	93
49) 1,4-Dioxane	9.301	88	22970	537.254	ug/l #	82
51) 4-Methyl-2-Pentanone	10.063	43	710908	147.854	ug/l	96
52) Toluene	10.240	92	340932	29.608	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	215089	30.340	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	235879	29.570	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	117901	29.740	ug/l	96
56) Ethyl methacrylate	10.508	69	170049	30.918	ug/l	89
57) 1,3-Dichloropropane	10.789	76	202964	30.230	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.777	63	297526	144.262	ug/l	93
59) 2-Hexanone	10.825	43	510745	146.130	ug/l	95
60) Dibromochloromethane	10.978	129	145477	30.222	ug/l	100
61) 1,2-Dibromoethane	11.087	107	114861	29.470	ug/l	98
64) Tetrachloroethene	10.715	164	124433	27.775	ug/l	99
65) Chlorobenzene	11.514	112	363548	28.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	143232	29.840	ug/l	100
67) Ethyl Benzene	11.587	91	663285	29.431	ug/l	98
68) m/p-Xylenes	11.697	106	496784	57.984	ug/l	97
69) o-Xylene	12.026	106	235905	29.114	ug/l	95
70) Styrene	12.038	104	407140	30.051	ug/l	99
71) Bromoform	12.203	173	97779	29.082	ug/l #	100
73) Isopropylbenzene	12.325	105	635444	29.069	ug/l	98
74) N-amyl acetate	12.142	43	223599	28.743	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.575	83	149030	27.891	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	98867m	25.365	ug/l	
77) Bromobenzene	12.605	156	151490	28.600	ug/l	91
78) n-propylbenzene	12.666	91	784510	29.136	ug/l	97
79) 2-Chlorotoluene	12.752	91	437600	29.103	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	527364	29.557	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	51958	27.268	ug/l	95
82) 4-Chlorotoluene	12.849	91	447246	28.538	ug/l	98
83) tert-Butylbenzene	13.075	119	467164	30.222	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	519095	29.924	ug/l	99
85) sec-Butylbenzene	13.252	105	684812	29.518	ug/l	98
86) p-Isopropyltoluene	13.367	119	562258	30.138	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	292568	28.992	ug/l	99
88) 1,4-Dichlorobenzene	13.441	146	289372	28.387	ug/l	99
89) n-Butylbenzene	13.690	91	543215	29.832	ug/l	98
90) Hexachloroethane	13.959	117	114158	29.074	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	264450	29.020	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	25568	27.094	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	163387	30.073	ug/l	98
94) Hexachlorobutadiene	15.111	225	98940	31.291	ug/l	100
95) Naphthalene	15.233	128	350187	29.706	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	147184	30.394	ug/l	100

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

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