

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013908.D
 Acq On : 26 May 2023 21:03
 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 :Krupa Patel 05/30/2023
 Supervised By :Mahesh Dadoda 05/30/2023

Quant Time: May 29 04:37:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	228085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	344575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	324029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	147307	55.825	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.660%			
35) Dibromofluoromethane	7.722	113	120653	54.219	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.440%			
50) Toluene-d8	10.179	98	436594	51.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.240%			
62) 4-Bromofluorobenzene	12.483	95	157039	55.860	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	102735	49.174	ug/l	98
3) Chloromethane	2.113	50	118984	46.747	ug/l	98
4) Vinyl Chloride	2.253	62	122456	47.046	ug/l	100
5) Bromomethane	2.656	94	100307	48.494	ug/l	98
6) Chloroethane	2.796	64	81631	48.128	ug/l	98
7) Trichlorofluoromethane	3.125	101	212988	48.620	ug/l	99
8) Diethyl Ether	3.534	74	68769	51.180	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.900	101	110470	46.518	ug/l	100
10) Methyl Iodide	4.088	142	127882	45.359	ug/l	99
11) Tert butyl alcohol	4.979	59	64268	317.932	ug/l #	83
12) 1,1-Dichloroethene	3.875	96	107214	48.056	ug/l	97
13) Acrolein	3.735	56	90934	299.062	ug/l	97
14) Allyl chloride	4.485	41	184991	45.418	ug/l	100
15) Acrylonitrile	5.168	53	206922	300.351	ug/l	100
16) Acetone	3.954	43	203185	259.439	ug/l	98
17) Carbon Disulfide	4.198	76	309532	46.479	ug/l	98
18) Methyl Acetate	4.485	43	159666	58.765	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	325797	53.510	ug/l	97
20) Methylene Chloride	4.716	84	147072	53.122	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	117135	48.298	ug/l	92
22) Diisopropyl ether	6.125	45	402805	51.220	ug/l	98
23) Vinyl Acetate	6.064	43	1283608	280.237	ug/l	99
24) 1,1-Dichloroethane	6.021	63	218717	47.639	ug/l	100
25) 2-Butanone	6.990	43	280630	293.653	ug/l	97
26) 2,2-Dichloropropane	6.984	77	183530	44.379	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	133268	48.915	ug/l	99
28) Bromochloromethane	7.332	49	65913	48.913	ug/l	98
29) Tetrahydrofuran	7.350	42	192763	337.844	ug/l	98
30) Chloroform	7.509	83	234118	50.298	ug/l	98
31) Cyclohexane	7.789	56	180199	44.447	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	205015	48.281	ug/l	98
36) 1,1-Dichloropropene	7.917	75	165905	48.948	ug/l	99
37) Ethyl Acetate	7.076	43	136034	65.797	ug/l	99
38) Carbon Tetrachloride	7.905	117	190544	49.434	ug/l	97
39) Methylcyclohexane	9.185	83	191209	48.171	ug/l	98
40) Benzene	8.161	78	490310	50.366	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	58733m	52.066	ug/l	
42) 1,2-Dichloroethane	8.240	62	175225	54.974	ug/l	99
43) Isopropyl Acetate	8.277	43	226519	60.124	ug/l	100
44) Trichloroethene	8.941	130	128649	49.051	ug/l	97
45) 1,2-Dichloropropane	9.216	63	126621	50.773	ug/l	99
46) Dibromomethane	9.307	93	80205	56.156	ug/l	98
47) Bromodichloromethane	9.496	83	181541	52.157	ug/l	99
48) Methyl methacrylate	9.295	41	106559	60.232	ug/l	95
49) 1,4-Dioxane	9.313	88	23635	1408.052	ug/l #	98
51) 4-Methyl-2-Pentanone	10.069	43	680875	339.117	ug/l	98
52) Toluene	10.246	92	307141	51.745	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	189297	53.428	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	205479	51.768	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	107634	56.016	ug/l	98
56) Ethyl methacrylate	10.514	69	155304	60.548	ug/l	100
57) 1,3-Dichloropropane	10.795	76	184675	56.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	222951	272.416	ug/l	100
59) 2-Hexanone	10.831	43	494074	345.949	ug/l	99
60) Dibromochloromethane	10.990	129	134892	55.497	ug/l	100
61) 1,2-Dibromoethane	11.093	107	104549	57.196	ug/l	99
64) Tetrachloroethene	10.721	164	116648	48.654	ug/l	96
65) Chlorobenzene	11.520	112	328570	48.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	132040	50.375	ug/l	99
67) Ethyl Benzene	11.593	91	592790	48.505	ug/l	99
68) m/p-Xylenes	11.703	106	452571	97.852	ug/l	100
69) o-Xylene	12.032	106	214080	49.139	ug/l	99
70) Styrene	12.044	104	377485	51.152	ug/l	100
71) Bromoform	12.209	173	95308	55.634	ug/l #	98
73) Isopropylbenzene	12.331	105	564824	45.045	ug/l	100
74) N-amyl acetate	12.148	43	209149	55.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	142703	54.977	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	97864m	49.265	ug/l	
77) Bromobenzene	12.611	156	144375	46.925	ug/l	98
78) n-propylbenzene	12.672	91	705872	45.567	ug/l	100
79) 2-Chlorotoluene	12.758	91	398839	46.094	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	479918	46.367	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	49864	54.488	ug/l	100
82) 4-Chlorotoluene	12.855	91	415099	46.415	ug/l	97
83) tert-Butylbenzene	13.081	119	415755	46.120	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	480693	47.312	ug/l	100
85) sec-Butylbenzene	13.258	105	605663	45.229	ug/l	99
86) p-Isopropyltoluene	13.373	119	502972	45.444	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	276291	46.495	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	277067	46.833	ug/l	98
89) n-Butylbenzene	13.697	91	482199	45.432	ug/l	99
90) Hexachloroethane	13.965	117	100259	44.119	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	253788	48.056	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26838	59.015	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	157165	48.005	ug/l	99
94) Hexachlorobutadiene	15.111	225	89632	43.420	ug/l	99
95) Naphthalene	15.239	128	360191	50.087	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	147434	50.639	ug/l	99

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

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