

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022723\
 Data File : VY012726.D
 Acq On : 27 Feb 2023 10:13
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 00:20:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	120482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	180186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	160627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	63269	44.463	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.920%		
35) Dibromofluoromethane	7.722	113	61147	50.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.480%		
50) Toluene-d8	10.179	98	229398	50.312	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.620%		
62) 4-Bromofluorobenzene	12.483	95	74539	51.086	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55321	44.662	ug/l	99
3) Chloromethane	2.113	50	61845	41.229	ug/l	99
4) Vinyl Chloride	2.253	62	60495	44.201	ug/l	98
5) Bromomethane	2.650	94	36541	48.750	ug/l	98
6) Chloroethane	2.796	64	37008	42.477	ug/l	95
7) Trichlorofluoromethane	3.131	101	104919	47.557	ug/l	97
8) Diethyl Ether	3.534	74	36022	45.606	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.906	101	64374	48.827	ug/l	100
10) Methyl Iodide	4.095	142	79377	45.981	ug/l	98
11) Tert butyl alcohol	4.954	59	31119	199.924	ug/l	98
12) 1,1-Dichloroethene	3.875	96	60197	47.295	ug/l	97
13) Acrolein	3.735	56	40582	206.350	ug/l	96
14) Allyl chloride	4.485	41	105328	42.639	ug/l	97
15) Acrylonitrile	5.161	53	96038	228.543	ug/l	99
16) Acetone	3.948	43	135749	292.364	ug/l	97
17) Carbon Disulfide	4.198	76	181534	42.383	ug/l	100
18) Methyl Acetate	4.479	43	63086	42.178	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	159427	46.566	ug/l	98
20) Methylene Chloride	4.716	84	70160	48.197	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	64825	46.823	ug/l	94
22) Diisopropyl ether	6.119	45	207862	45.094	ug/l	98
23) Vinyl Acetate	6.058	43	637825	223.416	ug/l	99
24) 1,1-Dichloroethane	6.015	63	117233	45.866	ug/l	99
25) 2-Butanone	6.984	43	153917	249.762	ug/l	97
26) 2,2-Dichloropropane	6.984	77	104639	46.931	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	72444	47.824	ug/l	95
28) Bromochloromethane	7.332	49	47729	46.633	ug/l	88
29) Tetrahydrofuran	7.344	42	84514	224.631	ug/l	96
30) Chloroform	7.509	83	117890	47.601	ug/l	96
31) Cyclohexane	7.789	56	105481	42.668	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	105777	47.180	ug/l	99
36) 1,1-Dichloropropene	7.917	75	92013	47.697	ug/l	98
37) Ethyl Acetate	7.070	43	56833	43.661	ug/l	98
38) Carbon Tetrachloride	7.905	117	97220	48.740	ug/l	97
39) Methylcyclohexane	9.185	83	110871	49.823	ug/l	96
40) Benzene	8.161	78	261199	48.506	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	30428m	47.995	ug/l	
42) 1,2-Dichloroethane	8.234	62	77306	46.297	ug/l	98
43) Isopropyl Acetate	8.271	43	102397	45.522	ug/l	97
44) Trichloroethene	8.941	130	68726	49.364	ug/l	99
45) 1,2-Dichloropropane	9.216	63	66230	47.815	ug/l	98
46) Dibromomethane	9.307	93	37742	49.361	ug/l	98
47) Bromodichloromethane	9.496	83	90016	48.903	ug/l	100
48) Methyl methacrylate	9.295	41	48068	45.794	ug/l	97
49) 1,4-Dioxane	9.301	88	9702	832.159	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	284447	234.425	ug/l	97
52) Toluene	10.246	92	162220	50.844	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	95069	49.425	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	107848	49.550	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	53193	51.220	ug/l	95
56) Ethyl methacrylate	10.514	69	71728	50.574	ug/l	95
57) 1,3-Dichloropropane	10.789	76	90319	49.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	179067	238.450	ug/l	97
59) 2-Hexanone	10.831	43	223543	259.878	ug/l	96
60) Dibromochloromethane	10.984	129	64317	51.117	ug/l	99
61) 1,2-Dibromoethane	11.087	107	50534	50.789	ug/l	100
64) Tetrachloroethene	10.721	164	58527	50.099	ug/l	99
65) Chlorobenzene	11.520	112	170709	49.560	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	64846	50.799	ug/l	99
67) Ethyl Benzene	11.593	91	310037	50.355	ug/l	99
68) m/p-Xylenes	11.703	106	240299	102.311	ug/l	97
69) o-Xylene	12.032	106	113009	51.948	ug/l	97
70) Styrene	12.044	104	189093	51.860	ug/l	98
71) Bromoform	12.209	173	42069	51.646	ug/l #	98
73) Isopropylbenzene	12.331	105	299051	50.979	ug/l	99
74) N-amyl acetate	12.148	43	89194	46.253	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	65744	49.845	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	42680m	43.128	ug/l	
77) Bromobenzene	12.611	156	69703	49.590	ug/l	96
78) n-propylbenzene	12.672	91	371150	50.582	ug/l	99
79) 2-Chlorotoluene	12.758	91	202561	49.692	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	244215	49.838	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	22976	49.185	ug/l	96
82) 4-Chlorotoluene	12.855	91	208281	49.264	ug/l	99
83) tert-Butylbenzene	13.075	119	212302	50.738	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	238289	49.745	ug/l	99
85) sec-Butylbenzene	13.258	105	325341	51.103	ug/l	100
86) p-Isopropyltoluene	13.373	119	263795	50.313	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	135571	49.244	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	135141	48.406	ug/l	99
89) n-Butylbenzene	13.697	91	250382	49.864	ug/l	99
90) Hexachloroethane	13.965	117	52754	49.579	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	122038	49.634	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10085	46.515	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	72171	46.411	ug/l	100
94) Hexachlorobutadiene	15.117	225	43183	46.013	ug/l	99
95) Naphthalene	15.239	128	148732	47.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	62871	45.677	ug/l	99

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

