

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011724\
 Data File : VY017006.D
 Acq On : 17 Jan 2024 11:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/18/2024
 Supervised By : Mahesh Dadoda 01/18/2024

Quant Time: Jan 17 15:15:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.825	168	156259	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	261343	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	220330	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	96111	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	62121	40.223	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.440%		
35) Dibromofluoromethane	7.752	113	68141	40.916	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.840%		
50) Toluene-d8	10.203	98	229977	40.102	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	80.200%		
62) 4-Bromofluorobenzene	12.501	95	80272	41.488	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.924	85	62094	53.208	ug/l	96
3) Chloromethane	2.137	50	102269	55.714	ug/l	100
4) Vinyl Chloride	2.278	62	123626	57.097	ug/l	99
5) Bromomethane	2.680	94	88997	57.375	ug/l	96
6) Chloroethane	2.826	64	79887	54.544	ug/l	98
7) Trichlorofluoromethane	3.162	101	136886	51.310	ug/l	100
8) Diethyl Ether	3.564	74	42302	49.617	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.942	101	84570	48.754	ug/l	100
10) Methyl Iodide	4.137	142	85683	58.062	ug/l	100
11) Tert butyl alcohol	5.009	59	26846	237.254	ug/l	98
12) 1,1-Dichloroethene	3.918	96	78656	52.849	ug/l	95
13) Acrolein	3.771	56	37490	221.710	ug/l	100
14) Allyl chloride	4.527	41	116487	49.509	ug/l	97
15) Acrylonitrile	5.210	53	89527	224.497	ug/l	100
16) Acetone	3.985	43	95824	251.934	ug/l	100
17) Carbon Disulfide	4.241	76	243093	68.358	ug/l	100
18) Methyl Acetate	4.521	43	86596	52.336	ug/l	99
19) Methyl tert-butyl Ether	5.265	73	194488	50.229	ug/l	97
20) Methylene Chloride	4.771	84	85565	41.355	ug/l	97
21) trans-1,2-Dichloroethene	5.271	96	91318	53.572	ug/l	98
22) Diisopropyl ether	6.161	45	255352	46.944	ug/l	99
23) Vinyl Acetate	6.106	43	590285	236.667	ug/l	99
24) 1,1-Dichloroethane	6.070	63	154240	47.185	ug/l	99
25) 2-Butanone	7.027	43	128553	243.671	ug/l	98
26) 2,2-Dichloropropane	7.021	77	138862	48.995	ug/l	99
27) cis-1,2-Dichloroethene	7.027	96	100470	50.282	ug/l	99
28) Bromochloromethane	7.374	49	57452	46.817	ug/l	98
29) Tetrahydrofuran	7.386	42	73950	236.578	ug/l	97
30) Chloroform	7.545	83	157173	46.659	ug/l	99
31) Cyclohexane	7.819	56	143523	54.145	ug/l	99
32) 1,1,1-Trichloroethane	7.740	97	142194	49.784	ug/l	100
36) 1,1-Dichloropropene	7.953	75	128124	52.790	ug/l	99
37) Ethyl Acetate	7.112	43	51695	46.870	ug/l	99
38) Carbon Tetrachloride	7.935	117	127422	51.675	ug/l	99
39) Methylcyclohexane	9.215	83	162513	59.562	ug/l	97
40) Benzene	8.197	78	361307	49.626	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.350	41	25886	44.563	ug/l	86
42) 1,2-Dichloroethane	8.270	62	94046	48.657	ug/l	99
43) Isopropyl Acetate	8.301	43	101369	47.994	ug/l	99
44) Trichloroethene	8.972	130	93878	50.673	ug/l	96
45) 1,2-Dichloropropane	9.246	63	87842	46.833	ug/l	97
46) Dibromomethane	9.337	93	46783	48.906	ug/l	98
47) Bromodichloromethane	9.526	83	119742	46.615	ug/l	97
48) Methyl methacrylate	9.319	41	57961	50.849	ug/l	98
49) 1,4-Dioxane	9.331	88	9133	922.078	ug/l	97
51) 4-Methyl-2-Pentanone	10.093	43	272241	242.365	ug/l	99
52) Toluene	10.270	92	227507	51.778	ug/l	99
53) t-1,3-Dichloropropene	10.490	75	113384	49.278	ug/l	99
54) cis-1,3-Dichloropropene	9.953	75	136140	49.269	ug/l	96
55) 1,1,2-Trichloroethane	10.666	97	63997	45.794	ug/l	98
56) Ethyl methacrylate	10.532	69	61243	51.739	ug/l	99
57) 1,3-Dichloropropane	10.813	76	111493	47.784	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.807	63	162953	220.950	ug/l	99
59) 2-Hexanone	10.855	43	196505	237.584	ug/l	98
60) Dibromochloromethane	11.008	129	77484	48.078	ug/l	98
61) 1,2-Dibromoethane	11.111	107	61464	50.621	ug/l	99
64) Tetrachloroethene	10.746	164	75381	52.772	ug/l	97
65) Chlorobenzene	11.538	112	226963	49.448	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.611	131	84738	48.566	ug/l	99
67) Ethyl Benzene	11.617	91	433636	52.477	ug/l	99
68) m/p-Xylenes	11.727	106	322904	106.458	ug/l	99
69) o-Xylene	12.050	106	148160	52.105	ug/l	99
70) Styrene	12.069	104	217645	52.590	ug/l	99
71) Bromoform	12.233	173	42589	49.583	ug/l #	98
73) Isopropylbenzene	12.355	105	408929	52.103	ug/l	100
74) N-amyl acetate	12.166	43	79929	50.688	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.605	83	73852	46.182	ug/l	99
76) 1,2,3-Trichloropropane	12.654	75	49599m	47.555	ug/l	
77) Bromobenzene	12.629	156	85640	49.560	ug/l	98
78) n-propylbenzene	12.697	91	493519	51.724	ug/l	100
79) 2-Chlorotoluene	12.782	91	264587	50.007	ug/l	100
80) 1,3,5-Trimethylbenzene	12.837	105	321162	51.740	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.404	75	22777	49.590	ug/l	95
82) 4-Chlorotoluene	12.879	91	272704	50.450	ug/l	99
83) tert-Butylbenzene	13.099	119	285061	52.140	ug/l	100
84) 1,2,4-Trimethylbenzene	13.142	105	319358	52.243	ug/l	99
85) sec-Butylbenzene	13.276	105	417436	51.529	ug/l	99
86) p-Isopropyltoluene	13.392	119	352456	52.718	ug/l	100
87) 1,3-Dichlorobenzene	13.385	146	164025	48.400	ug/l	100
88) 1,4-Dichlorobenzene	13.471	146	159830	48.219	ug/l	99
89) n-Butylbenzene	13.721	91	338706	52.691	ug/l	100
90) Hexachloroethane	13.983	117	68369	47.589	ug/l	99
91) 1,2-Dichlorobenzene	13.763	146	141110	48.181	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.379	75	9191	45.833	ug/l	97
93) 1,2,4-Trichlorobenzene	15.031	180	74103	50.953	ug/l	98
94) Hexachlorobutadiene	15.135	225	42005	46.105	ug/l	98
95) Naphthalene	15.263	128	143230	53.552	ug/l	100
96) 1,2,3-Trichlorobenzene	15.446	180	61209	49.567	ug/l	98

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

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