

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010705.D
 Acq On : 28 Sep 2022 10:17
 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 :Krupa Patel 09/29/2022
 Supervised By :Mahesh Dadoda 09/30/2022

Quant Time: Sep 29 01:11:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	222288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	361984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	332835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109179	51.351	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	102.700%		
35) Dibromofluoromethane	7.716	113	101270	43.836	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.680%		
50) Toluene-d8	10.179	98	388081	45.738	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.480%		
62) 4-Bromofluorobenzene	12.477	95	133652	41.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41921	39.963	ug/l	99
3) Chloromethane	2.113	50	70925	46.499	ug/l	95
4) Vinyl Chloride	2.253	62	89707	45.047	ug/l	100
5) Bromomethane	2.650	94	62705	46.732	ug/l	99
6) Chloroethane	2.790	64	70522	45.036	ug/l	99
7) Trichlorofluoromethane	3.125	101	129459	44.323	ug/l	89
8) Diethyl Ether	3.528	74	48413	48.342	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	83607	47.562	ug/l	91
10) Methyl Iodide	4.088	142	80970	39.872	ug/l	94
11) Tert butyl alcohol	4.948	59	44210	231.548	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	67050	42.716	ug/l	88
13) Acrolein	3.729	56	24088	243.547	ug/l	99
14) Allyl chloride	4.473	41	116917	49.406	ug/l #	94
15) Acrylonitrile	5.155	53	143276	275.646	ug/l	97
16) Acetone	3.942	43	127625	294.356	ug/l #	89
17) Carbon Disulfide	4.192	76	128140	41.111	ug/l	99
18) Methyl Acetate	4.473	43	64184	52.429	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	252117	51.518	ug/l	95
20) Methylene Chloride	4.710	84	101930	42.328	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	78500	44.442	ug/l	89
22) Diisopropyl ether	6.112	45	309375	55.383	ug/l #	94
23) Vinyl Acetate	6.052	43	928115	281.250	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	175566	52.366	ug/l	99
25) 2-Butanone	6.978	43	187347	276.251	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	163917	50.843	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	107605	48.898	ug/l	92
28) Bromochloromethane	7.332	49	87332	54.962	ug/l	92
29) Tetrahydrofuran	7.344	42	110403	265.051	ug/l #	85
30) Chloroform	7.502	83	190753	52.589	ug/l	98
31) Cyclohexane	7.783	56	115242	48.119	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	161281	49.960	ug/l	98
36) 1,1-Dichloropropene	7.917	75	119044	46.248	ug/l	99
37) Ethyl Acetate	7.070	43	76995	51.787	ug/l	95
38) Carbon Tetrachloride	7.899	117	139805	47.236	ug/l	95
39) Methylcyclohexane	9.179	83	124557	41.344	ug/l	92
40) Benzene	8.155	78	365696	47.656	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	38734m	51.078	ug/l	
42) 1,2-Dichloroethane	8.234	62	119586	50.609	ug/l	95
43) Isopropyl Acetate	8.271	43	139227	51.087	ug/l #	90
44) Trichloroethene	8.935	130	95672	43.553	ug/l	92
45) 1,2-Dichloropropane	9.216	63	102421	51.595	ug/l	95
46) Dibromomethane	9.301	93	56798	48.722	ug/l	94
47) Bromodichloromethane	9.496	83	150156	52.166	ug/l	100
48) Methyl methacrylate	9.289	41	61247	50.910	ug/l #	84
49) 1,4-Dioxane	9.295	88	16553	965.619	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	416118	270.444	ug/l	90
52) Toluene	10.240	92	235199	46.844	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	146011	50.167	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	164192	50.599	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	87605	51.090	ug/l	98
56) Ethyl methacrylate	10.508	69	113401	51.050	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	144892	51.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	300382	239.776	ug/l	97
59) 2-Hexanone	10.831	43	283550	271.887	ug/l	88
60) Dibromochloromethane	10.984	129	105966	50.498	ug/l	99
61) 1,2-Dibromoethane	11.087	107	76872	47.886	ug/l	99
64) Tetrachloroethene	10.715	164	91578	41.189	ug/l	94
65) Chlorobenzene	11.514	112	267303	46.444	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	110055	49.083	ug/l	98
67) Ethyl Benzene	11.593	91	481255	47.618	ug/l	99
68) m/p-Xylenes	11.703	106	365397	93.329	ug/l	95
69) o-Xylene	12.026	106	179507	47.027	ug/l	93
70) Styrene	12.044	104	314397	48.485	ug/l	96
71) Bromoform	12.209	173	67816	48.707	ug/l #	100
73) Isopropylbenzene	12.331	105	487923	47.803	ug/l	99
74) N-amyl acetate	12.142	43	125773	50.815	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	106119	51.021	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	78244m	49.638	ug/l	
77) Bromobenzene	12.605	156	110827	45.635	ug/l	98
78) n-propylbenzene	12.672	91	596777	49.086	ug/l	99
79) 2-Chlorotoluene	12.758	91	333785	48.183	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	412792	47.864	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	35512	50.092	ug/l	90
82) 4-Chlorotoluene	12.855	91	349650	48.879	ug/l	99
83) tert-Butylbenzene	13.075	119	371247	48.133	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	415003	48.437	ug/l	99
85) sec-Butylbenzene	13.251	105	551493	48.822	ug/l	100
86) p-Isopropyltoluene	13.367	119	463726	49.125	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	231459	46.957	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	230396	47.226	ug/l	98
89) n-Butylbenzene	13.696	91	430817	49.715	ug/l	99
90) Hexachloroethane	13.959	117	92359	50.959	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	209174	47.637	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17050	49.125	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	121109	45.214	ug/l	98
94) Hexachlorobutadiene	15.111	225	72198	44.346	ug/l	98
95) Naphthalene	15.233	128	249389	46.207	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	106758	45.773	ug/l	99

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

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