

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082422\
 Data File : VY010196.D
 Acq On : 24 Aug 2022 15:47
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2022
 Supervised By :Semsettin Yesilyurt 08/27/2022

Quant Time: Aug 25 01:52:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082422S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 25 01:46:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	197677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	309147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	78340	45.886	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.780%		
35) Dibromofluoromethane	7.704	113	89717	50.155	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.300%		
50) Toluene-d8	10.179	98	293463	47.426	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	94.860%		
62) 4-Bromofluorobenzene	12.483	95	121780	51.147	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	102.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	66315	44.154	ug/l	100
3) Chloromethane	2.107	50	86903	58.454	ug/l	96
4) Vinyl Chloride	2.241	62	97596	60.058	ug/l	99
5) Bromomethane	2.637	94	72619	55.769	ug/l	96
6) Chloroethane	2.784	64	68357	59.162	ug/l	99
7) Trichlorofluoromethane	3.107	101	89900	49.572	ug/l	94
8) Diethyl Ether	3.521	74	63740	59.545	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	107461	58.514	ug/l	94
10) Methyl Iodide	4.076	142	129600	63.867	ug/l	89
11) Tert butyl alcohol	4.948	59	49669	219.007	ug/l #	90
12) 1,1-Dichloroethene	3.863	96	100292	60.989	ug/l	83
13) Acrolein	3.723	56	14573	195.508	ug/l	100
14) Allyl chloride	4.466	41	176462	60.940	ug/l	88
15) Acrylonitrile	5.149	53	164436	285.477	ug/l	98
16) Acetone	3.936	43	120952	255.107	ug/l #	84
17) Carbon Disulfide	4.180	76	270395	64.324	ug/l	98
18) Methyl Acetate	4.466	43	79278	48.788	ug/l	94
19) Methyl tert-butyl Ether	5.204	73	294220	60.611	ug/l	99
20) Methylene Chloride	4.704	84	128388	41.287	ug/l	86
21) trans-1,2-Dichloroethene	5.204	96	117716	61.769	ug/l	89
22) Diisopropyl ether	6.106	45	394890	61.145	ug/l	92
23) Vinyl Acetate	6.045	43	1217683	320.122	ug/l	96
24) 1,1-Dichloroethane	6.009	63	216293	58.935	ug/l	99
25) 2-Butanone	6.978	43	208974	264.844	ug/l #	88
26) 2,2-Dichloropropane	6.966	77	185375	54.998	ug/l	93
27) cis-1,2-Dichloroethene	6.972	96	138330	60.260	ug/l	88
28) Bromochloromethane	7.326	49	70239	57.095	ug/l	88
29) Tetrahydrofuran	7.338	42	141394	294.521	ug/l	93
30) Chloroform	7.496	83	223692	58.807	ug/l	98
31) Cyclohexane	7.771	56	183243	60.843	ug/l	98
32) 1,1,1-Trichloroethane	7.691	97	188732	59.068	ug/l	94
36) 1,1-Dichloropropene	7.911	75	164763	61.771	ug/l	97
37) Ethyl Acetate	7.063	43	94437	55.786	ug/l	96
38) Carbon Tetrachloride	7.892	117	170453	60.431	ug/l	99
39) Methylcyclohexane	9.179	83	196417	66.061	ug/l	93
40) Benzene	8.149	78	489228	60.048	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	54214m	40.466	ug/l	
42) 1,2-Dichloroethane	8.228	62	132320	58.536	ug/l	90
43) Isopropyl Acetate	8.264	43	173654	58.741	ug/l #	91
44) Trichloroethene	8.935	130	135082	60.075	ug/l	99
45) 1,2-Dichloropropane	9.209	63	127283	59.515	ug/l	96
46) Dibromomethane	9.301	93	69945	59.302	ug/l	98
47) Bromodichloromethane	9.490	83	170934	58.908	ug/l	98
48) Methyl methacrylate	9.289	41	77808	61.064	ug/l #	83
49) 1,4-Dioxane	9.295	88	16266	1185.789	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	473906	292.722	ug/l	92
52) Toluene	10.240	92	313416	61.320	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	175670	60.953	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	202091	60.556	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	103430	57.894	ug/l	98
56) Ethyl methacrylate	10.508	69	136741	62.350	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	170562	58.771	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	211858	241.457	ug/l	97
59) 2-Hexanone	10.831	43	321773	293.598	ug/l	88
60) Dibromochloromethane	10.983	129	123701	58.674	ug/l	99
61) 1,2-Dibromoethane	11.087	107	98092	59.571	ug/l	100
64) Tetrachloroethene	10.715	164	131074	61.018	ug/l	98
65) Chlorobenzene	11.514	112	341556	60.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	129210	59.757	ug/l	98
67) Ethyl Benzene	11.593	91	616870	62.988	ug/l	97
68) m/p-Xylenes	11.697	106	476287	126.612	ug/l	94
69) o-Xylene	12.026	106	224953	62.700	ug/l	94
70) Styrene	12.044	104	386639	62.937	ug/l	95
71) Bromoform	12.203	173	78669	57.766	ug/l #	99
73) Isopropylbenzene	12.331	105	607079	63.289	ug/l	100
74) N-amyl acetate	12.142	43	158429	60.550	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	119383	57.015	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	86171m	36.620	ug/l	
77) Bromobenzene	12.605	156	141088	59.796	ug/l	95
78) n-propylbenzene	12.672	91	747245	62.661	ug/l	99
79) 2-Chlorotoluene	12.757	91	415790	61.993	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	507525	62.319	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	41594	58.103	ug/l #	85
82) 4-Chlorotoluene	12.855	91	428464	61.143	ug/l	97
83) tert-Butylbenzene	13.074	119	442118	63.123	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	503704	62.503	ug/l	97
85) sec-Butylbenzene	13.251	105	675019	63.290	ug/l	99
86) p-Isopropyltoluene	13.367	119	556970	63.979	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	284525	59.269	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	282344	58.382	ug/l	98
89) n-Butylbenzene	13.696	91	532275	63.744	ug/l	99
90) Hexachloroethane	13.958	117	109615	59.942	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	253664	59.109	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17870	61.682	ug/l	74
93) 1,2,4-Trichlorobenzene	15.007	180	155127	76.464	ug/l	99
94) Hexachlorobutadiene	15.111	225	91632	74.877	ug/l	99
95) Naphthalene	15.239	128	307434	76.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	136409	75.814	ug/l	99

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

