

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010638.D
 Acq On : 23 Sep 2022 10:11
 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 09/26/2022
 Supervised By :Mahesh Dadoda 09/26/2022

Quant Time: Sep 24 01:19:16 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	7.783	168	241866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	384536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	350782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175292	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119102	51.484	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.960%	
35) Dibromofluoromethane	7.710	113	110664	45.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.180%	
50) Toluene-d8	10.179	98	436055	48.197	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.400%	
62) 4-Bromofluorobenzene	12.483	95	144959	42.669	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.340%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	48934	43.396	ug/l	96
3) Chloromethane	2.113	50	76319	45.931	ug/l	97
4) Vinyl Chloride	2.247	62	94985	43.739	ug/l	99
5) Bromomethane	2.644	94	64103	43.582	ug/l	96
6) Chloroethane	2.790	64	70071	41.126	ug/l	98
7) Trichlorofluoromethane	3.119	101	134242	42.240	ug/l	92
8) Diethyl Ether	3.528	74	48961	44.932	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.893	101	84026	43.931	ug/l	96
10) Methyl Iodide	4.082	142	89910	40.691	ug/l	92
11) Tert butyl alcohol	4.948	59	52690	254.738	ug/l	97
12) 1,1-Dichloroethene	3.869	96	71247	41.716	ug/l	85
13) Acrolein	3.723	56	27647	256.905	ug/l	99
14) Allyl chloride	4.472	41	118850	46.158	ug/l #	94
15) Acrylonitrile	5.155	53	141405	250.025	ug/l	98
16) Acetone	3.942	43	137180	290.783	ug/l #	89
17) Carbon Disulfide	4.186	76	136951	40.288	ug/l	100
18) Methyl Acetate	4.466	43	65491	49.032	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	250660	47.075	ug/l	96
20) Methylene Chloride	4.710	84	108490	41.067	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	81343	42.323	ug/l	89
22) Diisopropyl ether	6.112	45	310292	51.051	ug/l	94
23) Vinyl Acetate	6.051	43	946201	263.521	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	171647	47.053	ug/l	99
25) 2-Butanone	6.978	43	198738	269.327	ug/l	91
26) 2,2-Dichloropropane	6.972	77	165344	47.134	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	109267	45.634	ug/l	91
28) Bromochloromethane	7.326	49	96932	55.963	ug/l	88
29) Tetrahydrofuran	7.338	42	115634	255.138	ug/l #	87
30) Chloroform	7.502	83	187126	47.414	ug/l	99
31) Cyclohexane	7.783	56	121235	46.395	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	160711	45.754	ug/l	98
36) 1,1-Dichloropropene	7.911	75	118853	43.466	ug/l	98
37) Ethyl Acetate	7.070	43	81498	51.601	ug/l	97
38) Carbon Tetrachloride	7.899	117	140354	44.641	ug/l	97
39) Methylcyclohexane	9.179	83	130983	40.927	ug/l	91
40) Benzene	8.155	78	366705	44.985	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	48112m	59.724	ug/l	
42) 1,2-Dichloroethane	8.234	62	118372	47.157	ug/l	94
43) Isopropyl Acetate	8.264	43	144184	49.803	ug/l #	92
44) Trichloroethene	8.935	130	100068	42.883	ug/l	96
45) 1,2-Dichloropropane	9.216	63	101751	48.251	ug/l	94
46) Dibromomethane	9.301	93	56724	45.805	ug/l	97
47) Bromodichloromethane	9.496	83	148823	48.670	ug/l	98
48) Methyl methacrylate	9.289	41	65000	50.861	ug/l #	87
49) 1,4-Dioxane	9.295	88	16828	924.089	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	432858	264.825	ug/l	92
52) Toluene	10.240	92	238569	44.729	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	145257	46.981	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	161953	46.982	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	88342	48.498	ug/l	98
56) Ethyl methacrylate	10.508	69	114100	48.352	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	142334	47.173	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	328916	246.525	ug/l	96
59) 2-Hexanone	10.831	43	302036	272.628	ug/l	89
60) Dibromochloromethane	10.984	129	106848	47.932	ug/l	99
61) 1,2-Dibromoethane	11.087	107	77996	45.737	ug/l	100
64) Tetrachloroethene	10.715	164	97998	41.821	ug/l	98
65) Chlorobenzene	11.514	112	272329	44.897	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	110475	46.749	ug/l	98
67) Ethyl Benzene	11.593	91	480558	45.117	ug/l	97
68) m/p-Xylenes	11.703	106	369754	89.610	ug/l	95
69) o-Xylene	12.026	106	180906	44.969	ug/l	93
70) Styrene	12.044	104	316482	46.309	ug/l	96
71) Bromoform	12.209	173	68881	46.941	ug/l #	99
73) Isopropylbenzene	12.331	105	491358	45.356	ug/l	100
74) N-amyl acetate	12.142	43	131675	50.122	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	104785	47.466	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	81944m	48.979	ug/l	
77) Bromobenzene	12.605	156	114688	44.494	ug/l	98
78) n-propylbenzene	12.672	91	593255	45.974	ug/l	99
79) 2-Chlorotoluene	12.758	91	333677	45.382	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	412942	45.112	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	36127	48.012	ug/l	90
82) 4-Chlorotoluene	12.855	91	346220	45.601	ug/l	99
83) tert-Butylbenzene	13.075	119	368611	45.027	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	413663	45.489	ug/l	98
85) sec-Butylbenzene	13.251	105	552220	46.059	ug/l	100
86) p-Isopropyltoluene	13.367	119	459493	45.861	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	236464	45.198	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	232593	44.919	ug/l	100
89) n-Butylbenzene	13.696	91	427916	46.525	ug/l	99
90) Hexachloroethane	13.959	117	89563	46.558	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	212206	45.533	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17163	46.591	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	122568	43.112	ug/l	98
94) Hexachlorobutadiene	15.111	225	73479	42.523	ug/l	99
95) Naphthalene	15.239	128	250289	43.692	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	106575	43.052	ug/l	99

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

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