

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010686.D
 Acq On : 27 Sep 2022 10:26
 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 09/28/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 01:23:49 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	237049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	348038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	173436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118539	52.282	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.716	113	110808	45.414	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.820%			
50) Toluene-d8	10.179	98	434268	48.273	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.540%			
62) 4-Bromofluorobenzene	12.483	95	145343	43.054	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	47766	43.192	ug/l	99
3) Chloromethane	2.113	50	76610	47.162	ug/l	95
4) Vinyl Chloride	2.253	62	95491	44.959	ug/l	100
5) Bromomethane	2.643	94	63892	44.412	ug/l	99
6) Chloroethane	2.790	64	70118	41.990	ug/l	100
7) Trichlorofluoromethane	3.125	101	138310	44.405	ug/l	95
8) Diethyl Ether	3.527	74	50350	47.146	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	87593	46.727	ug/l	94
10) Methyl Iodide	4.088	142	90527	41.803	ug/l	92
11) Tert butyl alcohol	4.942	59	54168	267.777	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	72560	43.348	ug/l	91
13) Acrolein	3.729	56	28958	274.555	ug/l	97
14) Allyl chloride	4.478	41	128995	51.116	ug/l #	93
15) Acrylonitrile	5.155	53	159638	288.000	ug/l	97
16) Acetone	3.942	43	145617	314.940	ug/l #	88
17) Carbon Disulfide	4.192	76	134184	40.275	ug/l	99
18) Methyl Acetate	4.472	43	73259	56.267	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	267905	51.336	ug/l	97
20) Methylene Chloride	4.710	84	103153	39.376	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	82393	43.741	ug/l	89
22) Diisopropyl ether	6.112	45	333410	55.969	ug/l	95
23) Vinyl Acetate	6.057	43	1033184	293.594	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	183533	51.333	ug/l	99
25) 2-Butanone	6.978	43	215565	298.067	ug/l	91
26) 2,2-Dichloropropane	6.978	77	171496	49.882	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	112904	48.111	ug/l	92
28) Bromochloromethane	7.332	49	94334	55.606	ug/l	93
29) Tetrahydrofuran	7.344	42	128847	290.069	ug/l	89
30) Chloroform	7.502	83	197148	50.968	ug/l	99
31) Cyclohexane	7.783	56	124177	48.661	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	167571	48.676	ug/l	97
36) 1,1-Dichloropropene	7.917	75	125011	45.983	ug/l	99
37) Ethyl Acetate	7.069	43	87601	55.786	ug/l	95
38) Carbon Tetrachloride	7.892	117	144715	46.294	ug/l	98
39) Methylcyclohexane	9.179	83	132823	41.742	ug/l	93
40) Benzene	8.155	78	385937	47.619	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	51423m	64.204	ug/l	
42) 1,2-Dichloroethane	8.234	62	123665	49.551	ug/l	94
43) Isopropyl Acetate	8.270	43	159860	55.538	ug/l #	93
44) Trichloroethene	8.935	130	103208	44.485	ug/l	98
45) 1,2-Dichloropropane	9.215	63	107001	51.034	ug/l	97
46) Dibromomethane	9.301	93	59989	48.722	ug/l	96
47) Bromodichloromethane	9.496	83	155423	51.123	ug/l	99
48) Methyl methacrylate	9.289	41	72132	56.769	ug/l #	88
49) 1,4-Dioxane	9.295	88	17887	987.933	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	479027	294.769	ug/l	91
52) Toluene	10.240	92	250918	47.317	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	155490	50.582	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	169763	49.533	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	91940	50.766	ug/l	98
56) Ethyl methacrylate	10.508	69	122240	52.102	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	152673	50.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	336588	253.137	ug/l	97
59) 2-Hexanone	10.831	43	332591	301.947	ug/l	90
60) Dibromochloromethane	10.983	129	111546	50.330	ug/l	100
61) 1,2-Dibromoethane	11.087	107	81570	48.110	ug/l	100
64) Tetrachloroethene	10.721	164	98963	42.566	ug/l	100
65) Chlorobenzene	11.514	112	283337	47.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	113941	48.596	ug/l	97
67) Ethyl Benzene	11.593	91	505261	47.810	ug/l	98
68) m/p-Xylenes	11.703	106	384670	93.959	ug/l	95
69) o-Xylene	12.032	106	188059	47.115	ug/l	94
70) Styrene	12.044	104	331739	48.925	ug/l	96
71) Bromoform	12.209	173	72138	49.548	ug/l #	98
73) Isopropylbenzene	12.331	105	514234	47.975	ug/l	100
74) N-amyl acetate	12.142	43	145585	56.010	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	113279	51.863	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	87691m	52.975	ug/l	
77) Bromobenzene	12.611	156	118589	46.500	ug/l	99
78) n-propylbenzene	12.672	91	626648	49.082	ug/l	100
79) 2-Chlorotoluene	12.757	91	351585	48.329	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	432822	47.790	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	38834	52.162	ug/l	91
82) 4-Chlorotoluene	12.855	91	365284	48.627	ug/l	99
83) tert-Butylbenzene	13.074	119	388080	47.912	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	435855	48.442	ug/l	99
85) sec-Butylbenzene	13.251	105	577002	48.641	ug/l	100
86) p-Isopropyltoluene	13.367	119	481195	48.541	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	243752	47.089	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	241882	47.212	ug/l	99
89) n-Butylbenzene	13.696	91	452465	49.720	ug/l	100
90) Hexachloroethane	13.958	117	93167	48.950	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	220513	47.821	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18651	51.172	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	127326	45.265	ug/l	98
94) Hexachlorobutadiene	15.111	225	74925	43.824	ug/l	97
95) Naphthalene	15.239	128	271870	47.967	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	111469	45.511	ug/l	99

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

