

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014352.D
 Acq On : 21 Jun 2023 21:56
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/22/2023
 Supervised By :Mahesh Dadoda 06/22/2023

Quant Time: Jun 22 01:59:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	189567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	289286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	288141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	126783	48.028	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.060%		
35) Dibromofluoromethane	7.722	113	105273	51.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.620%		
50) Toluene-d8	10.185	98	359647	46.891	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.780%		
62) 4-Bromofluorobenzene	12.483	95	154086	56.554	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	113.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	90467	42.821	ug/l	95
3) Chloromethane	2.119	50	102370	38.215	ug/l	97
4) Vinyl Chloride	2.253	62	106641	40.945	ug/l	98
5) Bromomethane	2.637	94	88187	41.038	ug/l	100
6) Chloroethane	2.790	64	74288	41.976	ug/l	98
7) Trichlorofluoromethane	3.125	101	208799	49.348	ug/l	97
8) Diethyl Ether	3.533	74	71282	50.453	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	105461	49.387	ug/l	98
10) Methyl Iodide	4.094	142	122280	43.366	ug/l	96
11) Tert butyl alcohol	4.960	59	135748	461.543	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	101734	47.003	ug/l	97
13) Acrolein	3.735	56	26806	216.111	ug/l	94
14) Allyl chloride	4.490	41	179895	45.852	ug/l	98
15) Acrylonitrile	5.167	53	222104	304.779	ug/l	98
16) Acetone	3.954	43	194877	244.912	ug/l	99
17) Carbon Disulfide	4.198	76	302071	43.068	ug/l	100
18) Methyl Acetate	4.484	43	182505	59.091	ug/l	98
19) Methyl tert-butyl Ether	5.234	73	349833	54.801	ug/l	98
20) Methylene Chloride	4.722	84	143635	57.048	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	118558	49.111	ug/l	99
22) Diisopropyl ether	6.130	45	393082	52.328	ug/l	92
23) Vinyl Acetate	6.069	43	1208117	272.579	ug/l	98
24) 1,1-Dichloroethane	6.027	63	215594	49.778	ug/l	98
25) 2-Butanone	6.990	43	310247	316.748	ug/l	98
26) 2,2-Dichloropropane	6.990	77	192934	47.428	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	139249	51.563	ug/l	99
28) Bromochloromethane	7.338	49	89583	50.861	ug/l	93
29) Tetrahydrofuran	7.356	42	206622	332.673	ug/l	97
30) Chloroform	7.514	83	245027	53.326	ug/l	99
31) Cyclohexane	7.795	56	169806	48.019	ug/l	95
32) 1,1,1-Trichloroethane	7.709	97	216864	52.330	ug/l	99
36) 1,1-Dichloropropene	7.923	75	165994	51.899	ug/l	99
37) Ethyl Acetate	7.081	43	131907	59.772	ug/l	98
38) Carbon Tetrachloride	7.904	117	198818	53.867	ug/l	98
39) Methylcyclohexane	9.191	83	184318	51.940	ug/l	97
40) Benzene	8.167	78	499238	52.492	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.331	41	79275m	70.387	ug/l	
42) 1,2-Dichloroethane	8.240	62	182873	54.374	ug/l	100
43) Isopropyl Acetate	8.276	43	232125	60.013	ug/l	98
44) Trichloroethene	8.947	130	134412	52.896	ug/l	97
45) 1,2-Dichloropropane	9.221	63	126721	52.457	ug/l	97
46) Dibromomethane	9.307	93	82079	55.197	ug/l	99
47) Bromodichloromethane	9.502	83	188717	54.202	ug/l	96
48) Methyl methacrylate	9.294	41	108628	60.213	ug/l	98
49) 1,4-Dioxane	9.307	88	25790	1364.925	ug/l #	59
51) 4-Methyl-2-Pentanone	10.075	43	691715	329.171	ug/l	99
52) Toluene	10.246	92	319626	54.213	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	199036	54.303	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	212453	53.126	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	112346	56.961	ug/l	98
56) Ethyl methacrylate	10.514	69	164757	60.562	ug/l	97
57) 1,3-Dichloropropane	10.794	76	187817	55.678	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	412440	329.062	ug/l	97
59) 2-Hexanone	10.831	43	512827	337.888	ug/l	99
60) Dibromochloromethane	10.983	129	145942	57.813	ug/l	99
61) 1,2-Dibromoethane	11.093	107	114030	58.581	ug/l	99
64) Tetrachloroethene	10.721	164	139405	56.761	ug/l	98
65) Chlorobenzene	11.520	112	348968	50.403	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	142031	52.156	ug/l	100
67) Ethyl Benzene	11.593	91	621228	51.261	ug/l	99
68) m/p-Xylenes	11.703	106	482881	103.590	ug/l	98
69) o-Xylene	12.032	106	232012	52.645	ug/l	100
70) Styrene	12.044	104	405390	53.895	ug/l	100
71) Bromoform	12.209	173	107436	57.607	ug/l	99
73) Isopropylbenzene	12.331	105	612216	48.995	ug/l	100
74) N-amyl acetate	12.148	43	214228	54.102	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	148381	53.143	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	104784m	48.760	ug/l	
77) Bromobenzene	12.611	156	158040	48.122	ug/l	99
78) n-propylbenzene	12.672	91	752051	49.275	ug/l	100
79) 2-Chlorotoluene	12.757	91	430316	49.001	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	532428	49.763	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	52165	52.472	ug/l	99
82) 4-Chlorotoluene	12.855	91	452172	48.589	ug/l	100
83) tert-Butylbenzene	13.074	119	443900	48.822	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	534804	50.496	ug/l	100
85) sec-Butylbenzene	13.257	105	664137	50.242	ug/l	100
86) p-Isopropyltoluene	13.373	119	556379	49.180	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	308501	49.199	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	306238	48.472	ug/l	100
89) n-Butylbenzene	13.696	91	521422	49.693	ug/l	99
90) Hexachloroethane	13.964	117	113240	50.233	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	286245	50.827	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31301	58.870	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	180031	50.462	ug/l	99
94) Hexachlorobutadiene	15.111	225	103339	50.172	ug/l	98
95) Naphthalene	15.239	128	411474	56.822	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	166618	51.684	ug/l	99

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

