

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020955.D
 Acq On : 27 Jan 2025 17:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/28/2025
 Supervised By :Semsettin Yesilyurt 01/28/2025

Quant Time: Jan 28 01:16:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	231198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	355970	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	316328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	157764	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110930	60.178	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.360%	
35) Dibromofluoromethane	7.634	113	111812	54.714	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.420%	
50) Toluene-d8	10.109	98	425032	53.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.240%	
62) 4-Bromofluorobenzene	12.408	95	147154	55.782	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 111.560%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	83679	47.853	ug/l	96
3) Chloromethane	2.074	50	68648	52.782	ug/l	98
4) Vinyl Chloride	2.208	62	70012	49.391	ug/l	98
5) Bromomethane	2.598	94	49977	52.055	ug/l	95
6) Chloroethane	2.739	64	43936	52.831	ug/l	96
7) Trichlorofluoromethane	3.062	101	145906	48.446	ug/l	97
8) Diethyl Ether	3.458	74	53935	58.268	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	98938	49.787	ug/l	99
10) Methyl Iodide	4.007	142	120315	50.803	ug/l	98
11) Tert butyl alcohol	4.854	59	38096	267.715	ug/l	99
12) 1,1-Dichloroethene	3.793	96	95003	50.622	ug/l	98
13) Acrolein	3.653	56	61966	321.215	ug/l	96
14) Allyl chloride	4.391	41	143967	54.963	ug/l	98
15) Acrylonitrile	5.067	53	116812	321.042	ug/l	99
16) Acetone	3.866	43	79801	319.520	ug/l	96
17) Carbon Disulfide	4.110	76	302262	52.152	ug/l	100
18) Methyl Acetate	4.385	43	59803	66.284	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	262560	60.404	ug/l	99
20) Methylene Chloride	4.616	84	106339	57.250	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	108897	53.818	ug/l	98
22) Diisopropyl ether	6.025	45	315431	59.868	ug/l	99
23) Vinyl Acetate	5.964	43	907403	311.184	ug/l	99
24) 1,1-Dichloroethane	5.921	63	188333	56.390	ug/l	99
25) 2-Butanone	6.896	43	140571	332.268	ug/l	96
26) 2,2-Dichloropropane	6.884	77	158075	48.052	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	129240	56.595	ug/l	99
28) Bromochloromethane	7.250	49	75748	56.353	ug/l	99
29) Tetrahydrofuran	7.262	42	95308	338.025	ug/l	100
30) Chloroform	7.421	83	202687	57.340	ug/l	100
31) Cyclohexane	7.701	56	155069	47.240	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	181839	53.034	ug/l	99
36) 1,1-Dichloropropene	7.835	75	140350	49.191	ug/l	100
37) Ethyl Acetate	6.988	43	64148	57.949	ug/l	99
38) Carbon Tetrachloride	7.823	117	168464	48.961	ug/l	99
39) Methylcyclohexane	9.109	83	181832	47.074	ug/l	99
40) Benzene	8.085	78	444391	53.090	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	36891	63.086	ug/l	96
42) 1,2-Dichloroethane	8.158	62	119908	57.571	ug/l	99
43) Isopropyl Acetate	8.201	43	128282	61.111	ug/l	100
44) Trichloroethene	8.866	130	117970	51.877	ug/l	100
45) 1,2-Dichloropropane	9.140	63	102219	55.322	ug/l	100
46) Dibromomethane	9.231	93	61675	58.714	ug/l	100
47) Bromodichloromethane	9.426	83	157443	56.332	ug/l	97
48) Methyl methacrylate	9.219	41	60842	61.443	ug/l	99
49) 1,4-Dioxane	9.231	88	14158	1309.051	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	331061	312.781	ug/l	99
52) Toluene	10.170	92	287620	53.427	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	145509	56.780	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	170011	55.559	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	82752	58.281	ug/l	98
56) Ethyl methacrylate	10.438	69	114266	61.406	ug/l	99
57) 1,3-Dichloropropane	10.719	76	141517	58.670	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	235193	278.476	ug/l	100
59) 2-Hexanone	10.762	43	220046	323.306	ug/l	99
60) Dibromochloromethane	10.914	129	118358	59.228	ug/l	97
61) 1,2-Dibromoethane	11.018	107	79586	58.602	ug/l	99
64) Tetrachloroethene	10.646	164	104282	47.371	ug/l	97
65) Chlorobenzene	11.444	112	318633	51.510	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	115228	52.420	ug/l	99
67) Ethyl Benzene	11.517	91	545456	50.534	ug/l	100
68) m/p-Xylenes	11.627	106	420778	101.806	ug/l	99
69) o-Xylene	11.956	106	201356	52.155	ug/l	99
70) Styrene	11.969	104	344451	54.440	ug/l	100
71) Bromoform	12.133	173	71349	57.322	ug/l #	100
73) Isopropylbenzene	12.255	105	524769	48.297	ug/l	100
74) N-amyl acetate	12.072	43	110479	57.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	92997	55.009	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	73152m	65.581	ug/l	
77) Bromobenzene	12.536	156	130421	51.207	ug/l	100
78) n-propylbenzene	12.597	91	610360	48.225	ug/l	100
79) 2-Chlorotoluene	12.682	91	356741	49.696	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	431140	49.382	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	31172	53.991	ug/l	96
82) 4-Chlorotoluene	12.779	91	361594	49.329	ug/l	99
83) tert-Butylbenzene	12.999	119	389627	48.383	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	430740	50.115	ug/l	100
85) sec-Butylbenzene	13.176	105	550692	47.964	ug/l	99
86) p-Isopropyltoluene	13.292	119	469729	48.426	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	243587	49.944	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	239296	49.947	ug/l	99
89) n-Butylbenzene	13.621	91	407786	47.660	ug/l	100
90) Hexachloroethane	13.883	117	94785	49.190	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	219769	52.009	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13834	54.472	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	125069	49.201	ug/l	99
94) Hexachlorobutadiene	15.029	225	80684	46.392	ug/l	100
95) Naphthalene	15.151	128	222089	54.484	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	109209	51.137	ug/l	100

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

