

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031825\
 Data File : VY021556.D
 Acq On : 18 Mar 2025 10:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

03/19/2025
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Mar 19 01:38:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	218009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	326707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	294708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155748	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116365	50.501	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.000%	
35) Dibromofluoromethane	7.634	113	111096	51.733	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.460%	
50) Toluene-d8	10.109	98	411617	50.623	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.407	95	144929	52.399	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.800%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	85985	42.980	ug/l	95
3) Chloromethane	2.068	50	128501	45.559	ug/l	99
4) Vinyl Chloride	2.202	62	152281	49.405	ug/l	99
5) Bromomethane	2.592	94	101304	45.474	ug/l	100
6) Chloroethane	2.732	64	108319	53.178	ug/l	99
7) Trichlorofluoromethane	3.056	101	231655	53.845	ug/l	99
8) Diethyl Ether	3.458	74	58760	49.284	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	115073	46.848	ug/l	99
10) Methyl Iodide	4.000	142	125724	50.353	ug/l	100
11) Tert butyl alcohol	4.860	59	43277	292.720	ug/l	98
12) 1,1-Dichloroethene	3.787	96	103892	46.392	ug/l	99
13) Acrolein	3.647	56	4775	40.742	ug/l	88
14) Allyl chloride	4.385	41	171265	47.324	ug/l	100
15) Acrylonitrile	5.055	53	136821	269.579	ug/l	99
16) Acetone	3.866	43	117453	233.704	ug/l	94
17) Carbon Disulfide	4.104	76	304513	43.389	ug/l	99
18) Methyl Acetate	4.385	43	73612	66.013	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	289408	50.988	ug/l	99
20) Methylene Chloride	4.616	84	116039	43.986	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	116879	46.603	ug/l	97
22) Diisopropyl ether	6.018	45	385509	49.428	ug/l	98
23) Vinyl Acetate	5.957	43	1119089	251.417	ug/l	100
24) 1,1-Dichloroethane	5.915	63	220467	47.895	ug/l	100
25) 2-Butanone	6.896	43	180710	259.936	ug/l	98
26) 2,2-Dichloropropane	6.884	77	196015	46.280	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	136555	47.929	ug/l	98
28) Bromochloromethane	7.244	49	101912	52.809	ug/l	100
29) Tetrahydrofuran	7.262	42	117010	272.632	ug/l	99
30) Chloroform	7.421	83	230455	48.213	ug/l	99
31) Cyclohexane	7.701	56	186171	43.140	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	209566	47.883	ug/l	99
36) 1,1-Dichloropropene	7.835	75	160509	47.749	ug/l	99
37) Ethyl Acetate	6.982	43	81005	54.522	ug/l	100
38) Carbon Tetrachloride	7.817	117	190406	49.252	ug/l	99
39) Methylcyclohexane	9.109	83	196665	47.696	ug/l	99
40) Benzene	8.079	78	482186	48.695	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.219	41	41494	51.291	ug/l	#	91
42) 1,2-Dichloroethane	8.158	62	139504	50.359	ug/l		99
43) Isopropyl Acetate	8.201	43	155221	53.818	ug/l	#	89
44) Trichloroethene	8.865	130	123772	49.464	ug/l		95
45) 1,2-Dichloropropane	9.140	63	118150	50.133	ug/l		99
46) Dibromomethane	9.231	93	67991	51.850	ug/l		99
47) Bromodichloromethane	9.426	83	178770	51.335	ug/l		100
48) Methyl methacrylate	9.219	41	75088	56.696	ug/l		99
49) 1,4-Dioxane	9.225	88	16126	1252.899	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	433513	291.310	ug/l		100
52) Toluene	10.170	92	311840	49.951	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	162063	52.822	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	186479	51.194	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	90226	52.600	ug/l		97
56) Ethyl methacrylate	10.438	69	125583	57.405	ug/l		98
57) 1,3-Dichloropropane	10.719	76	156148	52.523	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	297504	294.596	ug/l		100
59) 2-Hexanone	10.761	43	290543	295.267	ug/l		99
60) Dibromochloromethane	10.914	129	125020	53.164	ug/l		99
61) 1,2-Dibromoethane	11.018	107	85266	52.669	ug/l		99
64) Tetrachloroethene	10.646	164	131017	54.671	ug/l		100
65) Chlorobenzene	11.444	112	343226	49.318	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	122922	49.958	ug/l		98
67) Ethyl Benzene	11.517	91	594503	48.669	ug/l		100
68) m/p-Xylenes	11.627	106	460482	99.296	ug/l		100
69) o-Xylene	11.956	106	215678	50.462	ug/l		99
70) Styrene	11.969	104	367329	51.806	ug/l		99
71) Bromoform	12.133	173	74059	53.844	ug/l		98
73) Isopropylbenzene	12.255	105	579973	47.273	ug/l		99
74) N-amyl acetate	12.072	43	141867	53.245	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	106538	49.209	ug/l		100
76) 1,2,3-Trichloropropane	12.560	75	80794m	51.479	ug/l		
77) Bromobenzene	12.529	156	136584	47.586	ug/l		99
78) n-propylbenzene	12.596	91	708617	47.558	ug/l		99
79) 2-Chlorotoluene	12.682	91	399202	46.856	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	477200	47.862	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	34022	49.280	ug/l		97
82) 4-Chlorotoluene	12.779	91	418623	47.450	ug/l		100
83) tert-Butylbenzene	12.999	119	426533	47.955	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	481301	48.620	ug/l		99
85) sec-Butylbenzene	13.176	105	631130	47.691	ug/l		99
86) p-Isopropyltoluene	13.291	119	533557	48.939	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	271957	47.600	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	265575	47.530	ug/l		100
89) n-Butylbenzene	13.621	91	492706	48.941	ug/l		99
90) Hexachloroethane	13.883	117	109501	47.080	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	239750	48.960	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17259	53.218	ug/l		97
93) 1,2,4-Trichlorobenzene	14.925	180	140673	52.594	ug/l		97
94) Hexachlorobutadiene	15.023	225	86952	51.862	ug/l		99
95) Naphthalene	15.145	128	248085	54.293	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	121700	54.100	ug/l		99

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

