

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021880.D
 Acq On : 14 Apr 2025 19:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/15/2025
 Supervised By :Semsettin Yesilyurt 04/15/2025

Quant Time: Apr 15 01:53:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	374150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	337543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132119	51.938	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.880%			
35) Dibromofluoromethane	7.634	113	128575	52.976	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.960%			
50) Toluene-d8	10.109	98	488060	52.859	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.720%			
62) 4-Bromofluorobenzene	12.408	95	173756	55.636	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	105638	43.410	ug/l	99
3) Chloromethane	2.062	50	149963	43.826	ug/l	98
4) Vinyl Chloride	2.202	62	170060	43.946	ug/l	98
5) Bromomethane	2.598	94	128834	48.813	ug/l	99
6) Chloroethane	2.732	64	116936	46.180	ug/l	100
7) Trichlorofluoromethane	3.056	101	227325	45.858	ug/l	97
8) Diethyl Ether	3.458	74	67715	50.230	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	120967	46.267	ug/l	98
10) Methyl Iodide	4.001	142	161561	56.327	ug/l	98
11) Tert butyl alcohol	4.897	59	41077	248.610	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	117356	47.654	ug/l	99
13) Acrolein	3.659	56	17516	58.059	ug/l	99
14) Allyl chloride	4.385	41	186987	47.622	ug/l	98
15) Acrylonitrile	5.067	53	147430	261.923	ug/l	100
16) Acetone	3.885	43	104045	199.849	ug/l	97
17) Carbon Disulfide	4.104	76	356175	43.911	ug/l	99
18) Methyl Acetate	4.391	43	95135	73.731	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	326029	53.176	ug/l	96
20) Methylene Chloride	4.616	84	138502	54.733	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	134642	49.657	ug/l	97
22) Diisopropyl ether	6.018	45	419207	50.895	ug/l	97
23) Vinyl Acetate	5.964	43	1143765	237.368	ug/l	98
24) 1,1-Dichloroethane	5.915	63	245778	49.903	ug/l	99
25) 2-Butanone	6.896	43	182767	245.786	ug/l	96
26) 2,2-Dichloropropane	6.884	77	202752	46.279	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	155392	50.961	ug/l	96
28) Bromochloromethane	7.244	49	105897	50.983	ug/l	93
29) Tetrahydrofuran	7.268	42	123594	258.254	ug/l	95
30) Chloroform	7.421	83	259480	50.653	ug/l	98
31) Cyclohexane	7.701	56	197780	44.052	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	226694	48.963	ug/l	98
36) 1,1-Dichloropropene	7.835	75	174773	47.277	ug/l	98
37) Ethyl Acetate	6.982	43	83224	47.702	ug/l	97
38) Carbon Tetrachloride	7.817	117	204992	48.415	ug/l	98
39) Methylcyclohexane	9.109	83	210678	47.706	ug/l	99
40) Benzene	8.079	78	550867	49.758	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	47405	51.163	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	155344	49.773	ug/l	100
43) Isopropyl Acetate	8.201	43	168463	50.953	ug/l	97
44) Trichloroethene	8.866	130	145400	51.546	ug/l	99
45) 1,2-Dichloropropane	9.140	63	133032	50.765	ug/l	98
46) Dibromomethane	9.231	93	78457	51.949	ug/l	99
47) Bromodichloromethane	9.426	83	197855	50.558	ug/l	97
48) Methyl methacrylate	9.219	41	79764	52.565	ug/l	97
49) 1,4-Dioxane	9.243	88	16927	1046.229	ug/l #	94
51) 4-Methyl-2-Pentanone	9.999	43	465643	270.632	ug/l	99
52) Toluene	10.170	92	351527	50.892	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	176569	50.797	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	202657	49.420	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	102050	52.507	ug/l	98
56) Ethyl methacrylate	10.438	69	142287	57.334	ug/l	97
57) 1,3-Dichloropropane	10.719	76	174717	52.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	363354	300.129	ug/l	98
59) 2-Hexanone	10.762	43	312475	272.695	ug/l	98
60) Dibromochloromethane	10.914	129	140656	53.006	ug/l	100
61) 1,2-Dibromoethane	11.011	107	96399	52.873	ug/l	96
64) Tetrachloroethene	10.646	164	159653	51.932	ug/l	99
65) Chlorobenzene	11.444	112	389238	50.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	140594	51.213	ug/l	100
67) Ethyl Benzene	11.517	91	668237	50.363	ug/l	98
68) m/p-Xylenes	11.627	106	514191	101.203	ug/l	99
69) o-Xylene	11.956	106	242832	51.777	ug/l	99
70) Styrene	11.969	104	412679	52.774	ug/l	99
71) Bromoform	12.133	173	84793	54.147	ug/l #	100
73) Isopropylbenzene	12.255	105	641719	48.398	ug/l	99
74) N-amyl acetate	12.072	43	152153	48.895	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	114837	48.172	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	88355m	49.930	ug/l	
77) Bromobenzene	12.529	156	155958	48.989	ug/l	99
78) n-propylbenzene	12.597	91	762970	47.863	ug/l	99
79) 2-Chlorotoluene	12.682	91	443147	47.863	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	529871	48.896	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	35572	46.318	ug/l	99
82) 4-Chlorotoluene	12.779	91	458428	47.493	ug/l	99
83) tert-Butylbenzene	12.999	119	470233	48.718	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	530030	49.487	ug/l	99
85) sec-Butylbenzene	13.176	105	680731	48.259	ug/l	100
86) p-Isopropyltoluene	13.292	119	572741	49.127	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	305435	48.697	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	301248	48.612	ug/l	99
89) n-Butylbenzene	13.615	91	517352	47.983	ug/l	98
90) Hexachloroethane	13.883	117	121746	47.654	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	272399	49.890	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19654	53.194	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	162195	54.779	ug/l	98
94) Hexachlorobutadiene	15.023	225	93949	50.805	ug/l	99
95) Naphthalene	15.145	128	307369	62.628	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	144233	57.124	ug/l	99

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

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