

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022046.D
 Acq On : 29 Apr 2025 09:28
 Operator : SY/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 : Semsettin Yesilyurt 04/30/2025
 Supervised By : Mahesh Dadoda 04/30/2025

Quant Time: Apr 30 01:32:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	330337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	453549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	132828	43.532	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.060%		
35) Dibromofluoromethane	7.634	113	152279	47.486	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.980%		
50) Toluene-d8	10.109	98	583606	48.273	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.540%		
62) 4-Bromofluorobenzene	12.408	95	195893	48.133	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	122464	43.507	ug/l	99
3) Chloromethane	2.068	50	175705	43.839	ug/l	99
4) Vinyl Chloride	2.202	62	219850	44.638	ug/l	99
5) Bromomethane	2.598	94	169641	39.979	ug/l	95
6) Chloroethane	2.732	64	141865	42.293	ug/l	98
7) Trichlorofluoromethane	3.056	101	282628	43.517	ug/l	97
8) Diethyl Ether	3.452	74	71445	42.265	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	153834	43.664	ug/l	99
10) Methyl Iodide	4.001	142	189693	46.504	ug/l	100
11) Tert butyl alcohol	4.872	59	37456	223.602	ug/l	99
12) 1,1-Dichloroethene	3.787	96	145943	44.442	ug/l	98
13) Acrolein	3.653	56	70343	233.968	ug/l	98
14) Allyl chloride	4.385	41	165590	43.306	ug/l	99
15) Acrylonitrile	5.061	53	138019	223.027	ug/l	99
16) Acetone	3.873	43	107650	271.364	ug/l	93
17) Carbon Disulfide	4.104	76	451363	43.107	ug/l	99
18) Methyl Acetate	4.391	43	68974	48.392	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	333065	45.315	ug/l	97
20) Methylene Chloride	4.616	84	154498	40.043	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	161542	43.924	ug/l	98
22) Diisopropyl ether	6.019	45	382029	44.895	ug/l	99
23) Vinyl Acetate	5.958	43	1039804	226.736	ug/l	99
24) 1,1-Dichloroethane	5.915	63	256272	43.448	ug/l	99
25) 2-Butanone	6.896	43	161708	232.499	ug/l	99
26) 2,2-Dichloropropane	6.884	77	234207	45.304	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	184250	44.805	ug/l	99
28) Bromochloromethane	7.244	49	106431	46.456	ug/l	97
29) Tetrahydrofuran	7.262	42	104861	232.133	ug/l	97
30) Chloroform	7.421	83	289823	44.298	ug/l	99
31) Cyclohexane	7.701	56	218435	43.306	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	260780	44.057	ug/l	99
36) 1,1-Dichloropropene	7.835	75	200053	46.442	ug/l	99
37) Ethyl Acetate	6.988	43	73636	47.597	ug/l	99
38) Carbon Tetrachloride	7.817	117	247130	48.012	ug/l	97
39) Methylcyclohexane	9.109	83	256540	47.325	ug/l	97
40) Benzene	8.079	78	631609	46.906	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	35008	41.395	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	154947	46.477	ug/l	99
43) Isopropyl Acetate	8.195	43	137822	46.389	ug/l #	85
44) Trichloroethene	8.866	130	174874	46.887	ug/l	98
45) 1,2-Dichloropropane	9.140	63	139252	46.764	ug/l	99
46) Dibromomethane	9.231	93	87764	47.082	ug/l	99
47) Bromodichloromethane	9.426	83	221624	47.592	ug/l	99
48) Methyl methacrylate	9.219	41	67675	49.274	ug/l	98
49) 1,4-Dioxane	9.231	88	19815	997.336	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	390782	250.912	ug/l	100
52) Toluene	10.170	92	422459	48.468	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	190842	47.779	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	224035	47.184	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	119964	48.179	ug/l	97
56) Ethyl methacrylate	10.438	69	142098	49.904	ug/l	99
57) 1,3-Dichloropropane	10.719	76	191688	48.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	367778	264.171	ug/l	99
59) 2-Hexanone	10.762	43	264521	257.500	ug/l	100
60) Dibromochloromethane	10.914	129	169164	49.071	ug/l	100
61) 1,2-Dibromoethane	11.018	107	114653	48.774	ug/l	99
64) Tetrachloroethene	10.646	164	203863	47.647	ug/l	97
65) Chlorobenzene	11.444	112	468931	46.234	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	166562	46.647	ug/l	99
67) Ethyl Benzene	11.524	91	791052	47.678	ug/l	100
68) m/p-Xylenes	11.627	106	645425	97.760	ug/l	99
69) o-Xylene	11.956	106	294487	48.395	ug/l	98
70) Styrene	11.969	104	503254	49.256	ug/l	99
71) Bromoform	12.133	173	101395	48.842	ug/l #	99
73) Isopropylbenzene	12.255	105	775025	47.173	ug/l	99
74) N-amyl acetate	12.072	43	128926	45.674	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	127155	45.905	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	99193m	47.092	ug/l	
77) Bromobenzene	12.536	156	195202	47.020	ug/l	98
78) n-propylbenzene	12.597	91	925377	47.296	ug/l	100
79) 2-Chlorotoluene	12.682	91	525989	46.226	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	647472	47.830	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	40197	45.956	ug/l	99
82) 4-Chlorotoluene	12.779	91	555774	46.986	ug/l	100
83) tert-Butylbenzene	12.999	119	573871	47.269	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	648390	47.887	ug/l	99
85) sec-Butylbenzene	13.176	105	843779	47.496	ug/l	100
86) p-Isopropyltoluene	13.292	119	728842	48.314	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	390607	46.325	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	386869	46.327	ug/l	98
89) n-Butylbenzene	13.621	91	630349	46.748	ug/l	99
90) Hexachloroethane	13.883	117	150746	45.482	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	338387	46.013	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19628	44.539	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	197372	47.361	ug/l	99
94) Hexachlorobutadiene	15.023	225	118961	46.396	ug/l	99
95) Naphthalene	15.145	128	337462	48.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	172242	47.880	ug/l	99

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

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