

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021682.D
 Acq On : 28 Mar 2025 10:42
 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 :Mahesh Dadoda 03/31/2025
 Supervised By :Semsettin Yesilyurt 03/31/2025

Quant Time: Mar 28 23:38:58 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	207038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	329996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	297102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	124192	55.364	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.720%			
35) Dibromofluoromethane	7.634	113	118517	55.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.740%			
50) Toluene-d8	10.103	98	453542	55.693	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.380%			
62) 4-Bromofluorobenzene	12.408	95	154098	55.943	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.880%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.861	85	109809	51.172	ug/l	98
3) Chloromethane	2.068	50	169294	56.105	ug/l	99
4) Vinyl Chloride	2.202	62	189598	55.561	ug/l	100
5) Bromomethane	2.592	94	123898	53.234	ug/l	94
6) Chloroethane	2.733	64	125527	56.216	ug/l	99
7) Trichlorofluoromethane	3.056	101	246236	56.329	ug/l	96
8) Diethyl Ether	3.452	74	60717	51.075	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	119672	51.906	ug/l	99
10) Methyl Iodide	4.001	142	143093	56.574	ug/l	99
11) Tert butyl alcohol	4.854	59	36916	253.367	ug/l	100
12) 1,1-Dichloroethene	3.787	96	115949	53.393	ug/l	94
13) Acrolein	3.647	56	63440	238.457	ug/l	98
14) Allyl chloride	4.385	41	188500	54.441	ug/l	98
15) Acrylonitrile	5.049	53	137218	276.449	ug/l	99
16) Acetone	3.860	43	104592	227.823	ug/l	99
17) Carbon Disulfide	4.104	76	391341	54.712	ug/l	98
18) Methyl Acetate	4.385	43	67250	59.104	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	295942	54.737	ug/l	98
20) Methylene Chloride	4.610	84	129983	58.520	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	132113	55.253	ug/l	96
22) Diisopropyl ether	6.012	45	413432	56.920	ug/l	99
23) Vinyl Acetate	5.958	43	1188514	279.709	ug/l	99
24) 1,1-Dichloroethane	5.915	63	239377	55.116	ug/l	99
25) 2-Butanone	6.890	43	173603	264.748	ug/l	97
26) 2,2-Dichloropropane	6.884	77	206630	53.485	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	149919	55.755	ug/l	99
28) Bromochloromethane	7.244	49	102693	56.065	ug/l	99
29) Tetrahydrofuran	7.256	42	117791	279.112	ug/l	99
30) Chloroform	7.415	83	249427	55.216	ug/l	99
31) Cyclohexane	7.695	56	204076	51.546	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	220282	53.954	ug/l	99
36) 1,1-Dichloropropene	7.829	75	176871	54.246	ug/l	99
37) Ethyl Acetate	6.976	43	82837	53.833	ug/l	98
38) Carbon Tetrachloride	7.817	117	200576	53.710	ug/l	100
39) Methylcyclohexane	9.109	83	208666	53.572	ug/l	99
40) Benzene	8.073	78	540985	55.404	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	40336	49.359	ug/l #	100
42) 1,2-Dichloroethane	8.152	62	148955	54.112	ug/l	99
43) Isopropyl Acetate	8.195	43	156172	53.555	ug/l	98
44) Trichloroethene	8.859	130	132362	53.202	ug/l	97
45) 1,2-Dichloropropane	9.140	63	128300	55.510	ug/l	99
46) Dibromomethane	9.231	93	73338	55.056	ug/l	98
47) Bromodichloromethane	9.420	83	189589	54.928	ug/l	99
48) Methyl methacrylate	9.219	41	76952	57.497	ug/l	96
49) 1,4-Dioxane	9.225	88	16139	1130.995	ug/l	90
51) 4-Methyl-2-Pentanone	9.993	43	427715	281.850	ug/l	100
52) Toluene	10.170	92	342904	56.286	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	171485	55.935	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	198200	54.800	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	94766	55.283	ug/l	97
56) Ethyl methacrylate	10.438	69	125088	57.148	ug/l	99
57) 1,3-Dichloropropane	10.713	76	164067	55.418	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	302761	283.541	ug/l	100
59) 2-Hexanone	10.762	43	287407	284.379	ug/l	100
60) Dibromochloromethane	10.908	129	130245	55.650	ug/l	100
61) 1,2-Dibromoethane	11.012	107	88530	55.054	ug/l	99
64) Tetrachloroethene	10.646	164	137772	50.915	ug/l	97
65) Chlorobenzene	11.438	112	366751	53.850	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	130891	54.168	ug/l	99
67) Ethyl Benzene	11.518	91	650861	55.731	ug/l	98
68) m/p-Xylenes	11.627	106	501735	112.193	ug/l	100
69) o-Xylene	11.950	106	231932	56.184	ug/l	99
70) Styrene	11.969	104	395829	57.510	ug/l	99
71) Bromoform	12.133	173	76504	55.504	ug/l #	99
73) Isopropylbenzene	12.255	105	614195	54.731	ug/l	99
74) N-amyl acetate	12.072	43	142513	54.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	106395	52.733	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	78446m	52.378	ug/l	
77) Bromobenzene	12.530	156	145466	53.988	ug/l	99
78) n-propylbenzene	12.597	91	745971	55.292	ug/l	100
79) 2-Chlorotoluene	12.676	91	426370	54.411	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	510087	55.616	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	34191	52.602	ug/l	98
82) 4-Chlorotoluene	12.773	91	438952	53.730	ug/l	99
83) tert-Butylbenzene	12.999	119	447431	54.771	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	512202	56.504	ug/l	99
85) sec-Butylbenzene	13.176	105	653760	54.761	ug/l	100
86) p-Isopropyltoluene	13.292	119	546596	55.395	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	283551	53.415	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	281544	53.681	ug/l	99
89) n-Butylbenzene	13.615	91	498481	54.626	ug/l	100
90) Hexachloroethane	13.877	117	113745	52.605	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	250892	54.293	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	16002	51.172	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	132935	53.047	ug/l	99
94) Hexachlorobutadiene	15.023	225	81130	51.838	ug/l	99
95) Naphthalene	15.145	128	233754	56.275	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	115735	54.158	ug/l	99

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

