

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021680.D
 Acq On : 27 Mar 2025 20:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 04:06:26 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	199544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	322219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	294836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	123698	57.215	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.420%			
35) Dibromofluoromethane	7.634	113	117195	56.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.140%			
50) Toluene-d8	10.109	98	443420	55.764	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.520%			
62) 4-Bromofluorobenzene	12.407	95	153278	56.988	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.866	85	102176	49.403	ug/l	99
3) Chloromethane	2.068	50	150200	51.647	ug/l	100
4) Vinyl Chloride	2.202	62	166053	50.488	ug/l	100
5) Bromomethane	2.592	94	115854	51.647	ug/l	100
6) Chloroethane	2.732	64	111066	51.608	ug/l	99
7) Trichlorofluoromethane	3.055	101	210985	50.078	ug/l	98
8) Diethyl Ether	3.458	74	60571	52.866	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	113484	51.070	ug/l	99
10) Methyl Iodide	4.006	142	135438	55.558	ug/l	99
11) Tert butyl alcohol	4.860	59	37970	270.388	ug/l	97
12) 1,1-Dichloroethene	3.793	96	107883	51.544	ug/l	99
13) Acrolein	3.653	56	71516	278.909	ug/l	98
14) Allyl chloride	4.384	41	178622	53.525	ug/l	100
15) Acrylonitrile	5.061	53	137793	288.033	ug/l	100
16) Acetone	3.872	43	104335	235.798	ug/l	98
17) Carbon Disulfide	4.104	76	364671	52.898	ug/l	99
18) Methyl Acetate	4.384	43	62543	57.032	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	296233	56.848	ug/l	100
20) Methylene Chloride	4.616	84	129068	60.417	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	123682	53.670	ug/l	96
22) Diisopropyl ether	6.024	45	406607	58.083	ug/l	98
23) Vinyl Acetate	5.963	43	1198726	292.708	ug/l	99
24) 1,1-Dichloroethane	5.915	63	229083	54.727	ug/l	99
25) 2-Butanone	6.896	43	172651	273.185	ug/l	99
26) 2,2-Dichloropropane	6.890	77	177432	47.652	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	144103	55.605	ug/l	98
28) Bromochloromethane	7.244	49	104534	59.214	ug/l	100
29) Tetrahydrofuran	7.262	42	121405	298.480	ug/l	99
30) Chloroform	7.420	83	239748	55.066	ug/l	96
31) Cyclohexane	7.701	56	193144	50.617	ug/l	100
32) 1,1,1-Trichloroethane	7.615	97	208414	52.964	ug/l	100
36) 1,1-Dichloropropene	7.835	75	165924	52.117	ug/l	100
37) Ethyl Acetate	6.987	43	84512	56.247	ug/l	99
38) Carbon Tetrachloride	7.823	117	187046	51.296	ug/l	99
39) Methylcyclohexane	9.109	83	199749	52.521	ug/l	97
40) Benzene	8.079	78	512605	53.764	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	42478	53.235	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	146017	54.325	ug/l	100
43) Isopropyl Acetate	8.195	43	158787	55.766	ug/l	99
44) Trichloroethene	8.865	130	125794	51.783	ug/l	95
45) 1,2-Dichloropropane	9.140	63	124276	55.067	ug/l	100
46) Dibromomethane	9.231	93	71587	55.039	ug/l	98
47) Bromodichloromethane	9.426	83	184538	54.755	ug/l	98
48) Methyl methacrylate	9.219	41	74775	57.219	ug/l	99
49) 1,4-Dioxane	9.231	88	15817	1135.182	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	437989	295.586	ug/l	99
52) Toluene	10.170	92	331196	55.677	ug/l	98
53) t-1,3-Dichloropropene	10.395	75	164745	55.034	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	190610	53.973	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	93763	56.018	ug/l	98
56) Ethyl methacrylate	10.438	69	128752	60.242	ug/l	98
57) 1,3-Dichloropropane	10.719	76	163034	56.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	320795	307.681	ug/l	99
59) 2-Hexanone	10.761	43	293160	297.072	ug/l	99
60) Dibromochloromethane	10.914	129	128118	56.062	ug/l	100
61) 1,2-Dibromoethane	11.017	107	88992	56.677	ug/l	99
64) Tetrachloroethene	10.645	164	133044	49.546	ug/l	98
65) Chlorobenzene	11.444	112	350512	51.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	127468	53.157	ug/l	100
67) Ethyl Benzene	11.517	91	622485	53.711	ug/l	100
68) m/p-Xylenes	11.627	106	475671	107.182	ug/l	100
69) o-Xylene	11.956	106	220467	53.817	ug/l	97
70) Styrene	11.968	104	385862	56.492	ug/l	99
71) Bromoform	12.133	173	74413	54.402	ug/l #	100
73) Isopropylbenzene	12.255	105	584531	50.582	ug/l	99
74) N-amyl acetate	12.072	43	144939	53.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	105632	50.842	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	81038m	52.544	ug/l	
77) Bromobenzene	12.529	156	142067	51.202	ug/l	98
78) n-propylbenzene	12.596	91	703369	50.627	ug/l	100
79) 2-Chlorotoluene	12.682	91	405229	50.218	ug/l	100
80) 1,3,5-Trimethylbenzene	12.736	105	480072	50.830	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	32854	49.084	ug/l	98
82) 4-Chlorotoluene	12.779	91	422416	50.212	ug/l	100
83) tert-Butylbenzene	12.999	119	420478	49.983	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	483594	51.806	ug/l	100
85) sec-Butylbenzene	13.175	105	615155	50.038	ug/l	100
86) p-Isopropyltoluene	13.291	119	517791	50.959	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	272873	49.917	ug/l	100
88) 1,4-Dichlorobenzene	13.370	146	265160	49.095	ug/l	98
89) n-Butylbenzene	13.620	91	469709	49.985	ug/l	100
90) Hexachloroethane	13.883	117	107662	48.352	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	243043	51.074	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	16752	52.022	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	131142	50.819	ug/l	99
94) Hexachlorobutadiene	15.023	225	78165	48.499	ug/l	98
95) Naphthalene	15.145	128	238877	55.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.327	180	115089	52.299	ug/l	100

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

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