

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031815.D
 Acq On : 10 Jul 2025 19:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 11 02:26:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	205369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	390811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	355014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	165102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	161614	54.835	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 109.680%			
35) Dibromofluoromethane	7.904	113	129906	50.939	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.880%			
50) Toluene-d8	10.330	98	487382	51.356	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.617	95	183915	52.661	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 105.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.051	85	55661	39.797	ug/l	97
3) Chloromethane	2.259	50	80628	47.816	ug/l	99
4) Vinyl Chloride	2.411	62	110571	49.890	ug/l	97
5) Bromomethane	2.832	94	83568	48.274	ug/l	97
6) Chloroethane	2.978	64	75735	50.307	ug/l	93
7) Trichlorofluoromethane	3.307	101	95064	47.230	ug/l	98
8) Diethyl Ether	3.728	74	83406	54.533	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	104453	46.754	ug/l	99
10) Methyl Iodide	4.307	142	175224	50.876	ug/l	99
11) Tert butyl alcohol	5.234	59	47503	260.158	ug/l	96
12) 1,1-Dichloroethene	4.088	96	122342	49.995	ug/l	97
13) Acrolein	3.941	56	40631	123.808	ug/l	98
14) Allyl chloride	4.709	41	200427	53.382	ug/l	98
15) Acrylonitrile	5.411	53	204754	272.235	ug/l	99
16) Acetone	4.167	43	173623	238.337	ug/l	98
17) Carbon Disulfide	4.429	76	311128	47.513	ug/l	97
18) Methyl Acetate	4.716	43	128556	61.747	ug/l	97
19) Methyl tert-butyl Ether	5.465	73	240502	57.904	ug/l	97
20) Methylene Chloride	4.959	84	194722	69.515	ug/l	95
21) trans-1,2-Dichloroethene	5.465	96	139455	53.633	ug/l	92
22) Diisopropyl ether	6.349	45	441696	60.319	ug/l	97
23) Vinyl Acetate	6.288	43	1395702	279.048	ug/l	99
24) 1,1-Dichloroethane	6.252	63	265504	55.926	ug/l	99
25) 2-Butanone	7.197	43	267190	281.927	ug/l	99
26) 2,2-Dichloropropane	7.191	77	130360	47.063	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	168047	56.224	ug/l	99
28) Bromochloromethane	7.532	49	118177	56.409	ug/l	98
29) Tetrahydrofuran	7.556	42	184175	283.770	ug/l	99
30) Chloroform	7.697	83	280995	55.703	ug/l	96
31) Cyclohexane	7.971	56	195744	46.645	ug/l	96
32) 1,1,1-Trichloroethane	7.892	97	200972	51.696	ug/l	100
36) 1,1-Dichloropropene	8.099	75	184153	49.902	ug/l	99
37) Ethyl Acetate	7.276	43	122459	52.605	ug/l	99
38) Carbon Tetrachloride	8.087	117	176925	47.048	ug/l	92
39) Methylcyclohexane	9.343	83	216833	47.227	ug/l	98
40) Benzene	8.337	78	584651	53.549	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	70876	56.835	ug/l	98
42) 1,2-Dichloroethane	8.416	62	198163	53.716	ug/l	99
43) Isopropyl Acetate	8.440	43	219909	54.802	ug/l	100
44) Trichloroethene	9.105	130	137128	50.321	ug/l	98
45) 1,2-Dichloropropane	9.379	63	144992	54.947	ug/l	96
46) Dibromomethane	9.471	93	93246	54.735	ug/l	95
47) Bromodichloromethane	9.654	83	219851	55.033	ug/l	98
48) Methyl methacrylate	9.446	41	108127	54.800	ug/l	98
49) 1,4-Dioxane	9.471	88	22291	1117.198	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	638615	276.816	ug/l	100
52) Toluene	10.391	92	376463	53.854	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	204801	54.640	ug/l	99
54) cis-1,3-Dichloropropene	10.080	75	228077	53.676	ug/l	99
55) 1,1,2-Trichloroethane	10.794	97	122974	55.107	ug/l	99
56) Ethyl methacrylate	10.647	69	176460	58.286	ug/l	98
57) 1,3-Dichloropropane	10.934	76	217505	55.515	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	477447	286.397	ug/l	96
59) 2-Hexanone	10.970	43	446782	285.791	ug/l	100
60) Dibromochloromethane	11.129	129	146364	54.848	ug/l	99
61) 1,2-Dibromoethane	11.239	107	120786	54.067	ug/l	99
64) Tetrachloroethene	10.867	164	117464	50.583	ug/l	96
65) Chlorobenzene	11.659	112	417550	53.308	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	131747	52.782	ug/l	98
67) Ethyl Benzene	11.733	91	717465	52.823	ug/l	97
68) m/p-Xylenes	11.836	106	545152	104.409	ug/l	98
69) o-Xylene	12.165	106	259232	53.623	ug/l	99
70) Styrene	12.184	104	459126	54.936	ug/l	100
71) Bromoform	12.348	173	80682	54.184	ug/l #	97
73) Isopropylbenzene	12.464	105	669362	53.299	ug/l	100
74) N-amyl acetate	12.269	43	194037	57.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	153463	55.042	ug/l	99
76) 1,2,3-Trichloropropane	12.769	75	100475m	47.092	ug/l	
77) Bromobenzene	12.745	156	151240	53.995	ug/l	90
78) n-propylbenzene	12.799	91	811703	53.975	ug/l	98
79) 2-Chlorotoluene	12.891	91	490300	54.142	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	572236	55.047	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	46207	50.443	ug/l	96
82) 4-Chlorotoluene	12.988	91	515714	54.242	ug/l	98
83) tert-Butylbenzene	13.202	119	474982	53.341	ug/l	100
84) 1,2,4-Trimethylbenzene	13.251	105	581572	55.216	ug/l	99
85) sec-Butylbenzene	13.379	105	703235	52.616	ug/l	100
86) p-Isopropyltoluene	13.494	119	578110	52.484	ug/l	99
87) 1,3-Dichlorobenzene	13.501	146	296325	52.753	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	284279	49.444	ug/l	96
89) n-Butylbenzene	13.818	91	562229	52.534	ug/l	100
90) Hexachloroethane	14.092	117	102713	51.687	ug/l	97
91) 1,2-Dichlorobenzene	13.866	146	271199	52.823	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	27823	51.108	ug/l	97
93) 1,2,4-Trichlorobenzene	15.128	180	173286	54.728	ug/l	96
94) Hexachlorobutadiene	15.226	225	70972	46.419	ug/l	96
95) Naphthalene	15.360	128	442766	57.038	ug/l	99
96) 1,2,3-Trichlorobenzene	15.555	180	148972	51.204	ug/l	96

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

