

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092525\
 Data File : VW032259.D
 Acq On : 25 Sep 2025 11:30
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 26 06:47:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 06:41:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	248065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	468360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	429928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	222948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	42794	10.926	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	21.860%#		
35) Dibromofluoromethane	7.898	113	34108	10.126	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	20.260%#		
50) Toluene-d8	10.331	98	125406	10.331	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.660%#		
62) 4-Bromofluorobenzene	12.617	95	45948	10.035	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	19773	11.537	ug/l	98
3) Chloromethane	2.253	50	27657	11.276	ug/l	93
4) Vinyl Chloride	2.405	62	31161	10.874	ug/l	99
5) Bromomethane	2.826	94	21051	10.757	ug/l	94
6) Chloroethane	2.978	64	20229	10.417	ug/l	96
7) Trichlorofluoromethane	3.302	101	20665	9.570	ug/l	97
8) Diethyl Ether	3.728	74	21842	10.698	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	29104	10.560	ug/l	95
10) Methyl Iodide	4.308	142	37859	10.156	ug/l	98
11) Tert butyl alcohol	5.228	59	14898	54.794	ug/l	99
12) 1,1-Dichloroethene	4.082	96	31390	10.654	ug/l	89
13) Acrolein	3.930	56	26417	54.589	ug/l	99
14) Allyl chloride	4.704	41	46273	10.120	ug/l	98
15) Acrylonitrile	5.405	53	54484	51.814	ug/l	99
16) Acetone	4.161	43	62561	62.193	ug/l	98
17) Carbon Disulfide	4.423	76	71415	10.543	ug/l	98
18) Methyl Acetate	4.716	43	29862	8.632	ug/l	96
19) Methyl tert-butyl Ether	5.460	73	54291	9.941	ug/l	95
20) Methylene Chloride	4.954	84	62968	11.520	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	33128	10.428	ug/l	90
22) Diisopropyl ether	6.344	45	102543	10.093	ug/l	96
23) Vinyl Acetate	6.289	43	334126	51.119	ug/l	97
24) 1,1-Dichloroethane	6.240	63	66637	10.390	ug/l	98
25) 2-Butanone	7.197	43	74330	53.014	ug/l	97
26) 2,2-Dichloropropane	7.191	77	34033	10.768	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	40710	10.303	ug/l	98
28) Bromochloromethane	7.533	49	31230	10.204	ug/l #	97
29) Tetrahydrofuran	7.563	42	46844	51.463	ug/l	98
30) Chloroform	7.697	83	70085	10.473	ug/l	99
31) Cyclohexane	7.971	56	53996	10.677	ug/l #	92
32) 1,1,1-Trichloroethane	7.886	97	46942	10.413	ug/l	97
36) 1,1-Dichloropropene	8.100	75	45535	10.027	ug/l	99
37) Ethyl Acetate	7.283	43	30498	10.126	ug/l	96
38) Carbon Tetrachloride	8.081	117	43230	10.118	ug/l	87
39) Methylcyclohexane	9.343	83	51092	9.723	ug/l	98
40) Benzene	8.337	78	144721	10.124	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	17016	9.865	ug/l	92
42) 1,2-Dichloroethane	8.417	62	48566	10.222	ug/l	98
43) Isopropyl Acetate	8.435	43	53838	9.986	ug/l	99
44) Trichloroethene	9.099	130	34730	10.395	ug/l	89
45) 1,2-Dichloropropane	9.374	63	38213	10.322	ug/l	97
46) Dibromomethane	9.465	93	23384	10.273	ug/l	98
47) Bromodichloromethane	9.648	83	50969	9.818	ug/l	97
48) Methyl methacrylate	9.441	41	24046	9.481	ug/l	98
49) 1,4-Dioxane	9.465	88	5391	176.842	ug/l #	96
51) 4-Methyl-2-Pentanone	10.215	43	162030	50.689	ug/l	96
52) Toluene	10.392	92	89443	10.096	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	44781	9.415	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	52304	9.525	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	31763	10.223	ug/l	97
56) Ethyl methacrylate	10.648	69	37918	9.265	ug/l	98
57) 1,3-Dichloropropane	10.934	76	54352	10.126	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.928	63	102960	45.830	ug/l	100
59) 2-Hexanone	10.971	43	105087	48.141	ug/l	95
60) Dibromochloromethane	11.129	129	33001	9.672	ug/l	99
61) 1,2-Dibromoethane	11.233	107	29299	9.954	ug/l	95
64) Tetrachloroethene	10.861	164	28481	10.870	ug/l	89
65) Chlorobenzene	11.660	112	103607	10.462	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	31543	10.071	ug/l	98
67) Ethyl Benzene	11.733	91	162514	10.026	ug/l	98
68) m/p-Xylenes	11.837	106	125268	20.160	ug/l	98
69) o-Xylene	12.166	106	57588	9.862	ug/l	97
70) Styrene	12.178	104	101464	9.908	ug/l	98
71) Bromoform	12.349	173	19072	10.450	ug/l	98
73) Isopropylbenzene	12.465	105	146979	9.472	ug/l	99
74) N-amyl acetate	12.270	43	46865	9.590	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	42129	10.355	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	31615m	9.017	ug/l	
77) Bromobenzene	12.745	156	36258	9.500	ug/l	86
78) n-propylbenzene	12.800	91	188377	9.665	ug/l	99
79) 2-Chlorotoluene	12.891	91	116645	9.879	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	130321	9.823	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	10751	9.104	ug/l	89
82) 4-Chlorotoluene	12.989	91	126800	10.161	ug/l	98
83) tert-Butylbenzene	13.202	119	104621	9.429	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	132488	9.836	ug/l	95
85) sec-Butylbenzene	13.379	105	159160	9.553	ug/l	99
86) p-Isopropyltoluene	13.495	119	134315	9.734	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	75097	9.947	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	78941	10.235	ug/l	96
89) n-Butylbenzene	13.818	91	136190	9.835	ug/l	98
90) Hexachloroethane	14.086	117	24456	9.509	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	72927	10.326	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	6957	9.997	ug/l	91
93) 1,2,4-Trichlorobenzene	15.129	180	39615	9.455	ug/l	98
94) Hexachlorobutadiene	15.232	225	19426	10.095	ug/l	92
95) Naphthalene	15.360	128	92765	9.225	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	37857	9.717	ug/l	99

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

