

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121025\
 Data File : VW032615.D
 Acq On : 10 Dec 2025 14:09
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 11 01:40:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:34:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	344700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	633033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	574359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	276822	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	111350	22.561	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	45.120%#
35) Dibromofluoromethane	7.898	113	89452	21.814	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	43.620%#
50) Toluene-d8	10.325	98	346384	21.321	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	42.640%#
62) 4-Bromofluorobenzene	12.617	95	126618	21.228	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	42.460%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	47114	22.011	ug/l	99
3) Chloromethane	2.253	50	77586	20.547	ug/l	99
4) Vinyl Chloride	2.405	62	92225	20.469	ug/l	100
5) Bromomethane	2.820	94	61394	20.459	ug/l	99
6) Chloroethane	2.966	64	58816	20.231	ug/l	91
7) Trichlorofluoromethane	3.308	101	74903	18.989	ug/l	94
8) Diethyl Ether	3.722	74	50812	19.238	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	75554	19.127	ug/l	99
10) Methyl Iodide	4.308	142	108837	19.787	ug/l	98
11) Tert butyl alcohol	5.210	59	33957	94.860	ug/l	97
12) 1,1-Dichloroethene	4.082	96	84366	20.162	ug/l	99
13) Acrolein	3.930	56	58529	97.131	ug/l	96
14) Allyl chloride	4.710	41	150663	19.368	ug/l	99
15) Acrylonitrile	5.399	53	138565	93.877	ug/l	99
16) Acetone	4.155	43	169362	93.786	ug/l	98
17) Carbon Disulfide	4.417	76	243142	19.993	ug/l	96
18) Methyl Acetate	4.710	43	62118	17.633	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	162393	19.547	ug/l	99
20) Methylene Chloride	4.954	84	113598	20.605	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	90549	19.813	ug/l	91
22) Diisopropyl ether	6.338	45	317833	20.179	ug/l	98
23) Vinyl Acetate	6.283	43	1031391	96.842	ug/l	99
24) 1,1-Dichloroethane	6.246	63	179904	19.972	ug/l	98
25) 2-Butanone	7.191	43	201456	94.942	ug/l	99
26) 2,2-Dichloropropane	7.185	77	98477	19.470	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	105307	19.735	ug/l	100
28) Bromochloromethane	7.533	49	80637	22.534	ug/l	100
29) Tetrahydrofuran	7.551	42	120599	94.671	ug/l	98
30) Chloroform	7.691	83	176845	19.903	ug/l	97
31) Cyclohexane	7.971	56	162908	19.621	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	129026	19.748	ug/l	98
36) 1,1-Dichloropropene	8.093	75	126992	19.485	ug/l	99
37) Ethyl Acetate	7.270	43	84160	18.852	ug/l	99
38) Carbon Tetrachloride	8.087	117	114589	19.009	ug/l	95
39) Methylcyclohexane	9.343	83	152060	18.552	ug/l	99
40) Benzene	8.337	78	388506	19.650	ug/l	99

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41) Methacrylonitrile	7.502	41	42918	17.987	ug/l	96
42) 1,2-Dichloroethane	8.410	62	123190	19.569	ug/l	99
43) Isopropyl Acetate	8.435	43	145732	18.407	ug/l	99
44) Trichloroethene	9.099	130	86370	19.132	ug/l	100
45) 1,2-Dichloropropane	9.374	63	98669	19.722	ug/l	96
46) Dibromomethane	9.465	93	56442	19.256	ug/l	98
47) Bromodichloromethane	9.648	83	130758	19.178	ug/l	99
48) Methyl methacrylate	9.441	41	65560	17.544	ug/l	98
49) 1,4-Dioxane	9.465	88	14032	356.844	ug/l #	97
51) 4-Methyl-2-Pentanone	10.209	43	410418	92.980	ug/l	99
52) Toluene	10.392	92	235052	19.323	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	122453	18.215	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	148069	19.100	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	75030	19.078	ug/l	96
56) Ethyl methacrylate	10.648	69	103443	18.219	ug/l	99
57) 1,3-Dichloropropane	10.934	76	132795	18.799	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	293615	192.247	ug/l	100
59) 2-Hexanone	10.965	43	299754	93.763	ug/l	98
60) Dibromochloromethane	11.129	129	82640	18.865	ug/l	96
61) 1,2-Dibromoethane	11.233	107	71866	18.897	ug/l	98
64) Tetrachloroethene	10.861	164	72003	19.552	ug/l #	88
65) Chlorobenzene	11.654	112	253945	19.363	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	78631	19.199	ug/l	96
67) Ethyl Benzene	11.727	91	438210	19.333	ug/l	95
68) m/p-Xylenes	11.837	106	338246	38.885	ug/l	99
69) o-Xylene	12.166	106	153806	19.172	ug/l	99
70) Styrene	12.178	104	273635	19.565	ug/l	100
71) Bromoform	12.343	173	44809	18.842	ug/l #	95
73) Isopropylbenzene	12.458	105	394907	18.756	ug/l	99
74) N-amyl acetate	12.269	43	132845	18.415	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.708	83	91831	18.116	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	67525m	18.288	ug/l	
77) Bromobenzene	12.745	156	92608	19.167	ug/l	98
78) n-propylbenzene	12.800	91	517295	19.234	ug/l	99
79) 2-Chlorotoluene	12.885	91	304047	19.259	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	344820	19.498	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	28643	21.735	ug/l	95
82) 4-Chlorotoluene	12.989	91	323871	19.316	ug/l	99
83) tert-Butylbenzene	13.202	119	281367	18.676	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	341488	19.146	ug/l	99
85) sec-Butylbenzene	13.379	105	444023	19.250	ug/l	98
86) p-Isopropyltoluene	13.495	119	358822	19.126	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	184413	18.648	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	190794	19.375	ug/l	98
89) n-Butylbenzene	13.818	91	353260	18.741	ug/l	99
90) Hexachloroethane	14.086	117	66009	18.837	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	172015	19.270	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	15856	17.612	ug/l	92
93) 1,2,4-Trichlorobenzene	15.129	180	94441	17.813	ug/l	99
94) Hexachlorobutadiene	15.232	225	40897	16.319	ug/l	86
95) Naphthalene	15.354	128	220667	23.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	90672	18.093	ug/l	99

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

