

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031731.D
 Acq On : 30 Jun 2025 10:58
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	206362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	368808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	347024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	169543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	61033	20.609	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.220%#		
35) Dibromofluoromethane	7.898	113	51372	21.346	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	42.700%#		
50) Toluene-d8	10.324	98	190235	21.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	42.480%#		
62) 4-Bromofluorobenzene	12.617	95	68269	20.714	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.045	85	29096	20.703	ug/l	99
3) Chloromethane	2.253	50	35297	20.832	ug/l	99
4) Vinyl Chloride	2.405	62	47534	21.344	ug/l	95
5) Bromomethane	2.820	94	36582	21.030	ug/l	98
6) Chloroethane	2.966	64	31253	20.660	ug/l	93
7) Trichlorofluoromethane	3.301	101	36478	18.036	ug/l	95
8) Diethyl Ether	3.716	74	31642	20.589	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	46970	20.923	ug/l	98
10) Methyl Iodide	4.301	142	72612	20.981	ug/l	98
11) Tert butyl alcohol	5.209	59	17455	95.135	ug/l #	88
12) 1,1-Dichloroethene	4.069	96	51343	20.880	ug/l	94
13) Acrolein	3.923	56	33931	102.894	ug/l	95
14) Allyl chloride	4.697	41	77423	20.522	ug/l	99
15) Acrylonitrile	5.398	53	75131	99.411	ug/l	99
16) Acetone	4.149	43	70616	95.875	ug/l	97
17) Carbon Disulfide	4.411	76	135917	20.656	ug/l	98
18) Methyl Acetate	4.703	43	41106	19.649	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	85702	20.535	ug/l	97
20) Methylene Chloride	4.947	84	74694	22.889	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	55073	21.078	ug/l	95
22) Diisopropyl ether	6.337	45	154496	20.997	ug/l	97
23) Vinyl Acetate	6.276	43	511743	101.822	ug/l	99
24) 1,1-Dichloroethane	6.234	63	100608	21.090	ug/l	100
25) 2-Butanone	7.191	43	91095	95.657	ug/l	97
26) 2,2-Dichloropropane	7.179	77	57600	20.695	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	62244	20.725	ug/l	99
28) Bromochloromethane	7.526	49	44182	20.988	ug/l	100
29) Tetrahydrofuran	7.550	42	64497	98.896	ug/l	99
30) Chloroform	7.691	83	107197	21.148	ug/l	98
31) Cyclohexane	7.965	56	85236	20.213	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	80117	20.509	ug/l	98
36) 1,1-Dichloropropene	8.093	75	73346	21.061	ug/l	100
37) Ethyl Acetate	7.270	43	45062	20.512	ug/l	98
38) Carbon Tetrachloride	8.081	117	73482	20.706	ug/l	97
39) Methylcyclohexane	9.343	83	89081	20.560	ug/l	98
40) Benzene	8.331	78	218756	21.231	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.489	41	22541	19.154	ug/l	91
42) 1,2-Dichloroethane	8.410	62	72797	20.910	ug/l	100
43) Isopropyl Acetate	8.434	43	76119	20.101	ug/l	100
44) Trichloroethene	9.099	130	54194	21.074	ug/l	100
45) 1,2-Dichloropropane	9.373	63	52141	20.939	ug/l	100
46) Dibromomethane	9.465	93	33467	20.817	ug/l	98
47) Bromodichloromethane	9.648	83	77246	20.490	ug/l	96
48) Methyl methacrylate	9.440	41	36279	19.484	ug/l	98
49) 1,4-Dioxane	9.465	88	7013m	409.751	ug/l	
51) 4-Methyl-2-Pentanone	10.209	43	217881	100.078	ug/l	99
52) Toluene	10.391	92	138387	20.978	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	72498	20.496	ug/l	99
54) cis-1,3-Dichloropropene	10.074	75	84285	21.019	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	44134	20.957	ug/l	98
56) Ethyl methacrylate	10.647	69	56229	19.681	ug/l	99
57) 1,3-Dichloropropane	10.928	76	76367	20.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	162561	103.330	ug/l	98
59) 2-Hexanone	10.964	43	143482	97.256	ug/l	99
60) Dibromochloromethane	11.129	129	52126	20.699	ug/l	98
61) 1,2-Dibromoethane	11.233	107	43701	20.729	ug/l	99
64) Tetrachloroethene	10.861	164	44967	19.810	ug/l	94
65) Chlorobenzene	11.653	112	154847	20.224	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	47923	19.641	ug/l	98
67) Ethyl Benzene	11.727	91	265199	19.975	ug/l	96
68) m/p-Xylenes	11.836	106	208380	40.829	ug/l	97
69) o-Xylene	12.165	106	95105	20.126	ug/l	99
70) Styrene	12.178	104	165896	20.307	ug/l	100
71) Bromoform	12.348	173	28135	19.330	ug/l #	100
73) Isopropylbenzene	12.464	105	249772	19.368	ug/l	99
74) N-amyl acetate	12.269	43	64599	18.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55059	19.230	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	41432m	18.910	ug/l	
77) Bromobenzene	12.745	156	55325	19.235	ug/l	92
78) n-propylbenzene	12.800	91	299620	19.402	ug/l	98
79) 2-Chlorotoluene	12.885	91	184544	19.845	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	211664	19.828	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	16911	17.978	ug/l	92
82) 4-Chlorotoluene	12.982	91	192402	19.707	ug/l	99
83) tert-Butylbenzene	13.202	119	179144	19.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	216491	20.016	ug/l	98
85) sec-Butylbenzene	13.379	105	266984	19.452	ug/l	100
86) p-Isopropyltoluene	13.495	119	223225	19.735	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	114120	19.784	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	115307	19.530	ug/l	95
89) n-Butylbenzene	13.818	91	212509	19.336	ug/l	98
90) Hexachloroethane	14.086	117	38406	18.820	ug/l	98
91) 1,2-Dichlorobenzene	13.866	146	102449	19.432	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10404	18.610	ug/l	95
93) 1,2,4-Trichlorobenzene	15.128	180	63033	19.386	ug/l	94
94) Hexachlorobutadiene	15.226	225	29695	18.913	ug/l	94
95) Naphthalene	15.354	128	146159	18.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	56085	18.772	ug/l	93

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

