

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080425\
 Data File : VW031990.D
 Acq On : 04 Aug 2025 10:42
 Operator : SY/MD
 Sample : VW0804SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
 Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:15:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	219677	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	423534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	380864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	179411	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	170632	51.346	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 102.700%	
35) Dibromofluoromethane	7.904	113	146494	50.902	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 101.800%	
50) Toluene-d8	10.325	98	539638	49.543	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 99.080%	
62) 4-Bromofluorobenzene	12.617	95	203294	48.607	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 97.220%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	26969	16.518	ug/l	92
3) Chloromethane	2.253	50	39573	18.884	ug/l	95
4) Vinyl Chloride	2.405	62	46456	17.066	ug/l	94
5) Bromomethane	2.820	94	38341	19.127	ug/l	92
6) Chloroethane	2.966	64	35170	19.575	ug/l	94
7) Trichlorofluoromethane	3.308	101	47753	17.320	ug/l	97
8) Diethyl Ether	3.722	74	35349	19.193	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	50027	18.864	ug/l	99
10) Methyl Iodide	4.314	142	74729	18.847	ug/l	99
11) Tert butyl alcohol	5.228	59	21265	108.862	ug/l	98
12) 1,1-Dichloroethene	4.082	96	53732	18.344	ug/l	95
13) Acrolein	3.923	56	15380	48.720	ug/l	95
14) Allyl chloride	4.704	41	84880	18.614	ug/l	98
15) Acrylonitrile	5.405	53	82618	100.337	ug/l	99
16) Acetone	4.161	43	92116	116.814	ug/l	98
17) Carbon Disulfide	4.417	76	137025	18.037	ug/l	100
18) Methyl Acetate	4.716	43	45053	20.737	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	102120	20.177	ug/l	99
20) Methylene Chloride	4.954	84	64797	16.052	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	59431	19.123	ug/l	95
22) Diisopropyl ether	6.344	45	179039	19.622	ug/l	100
23) Vinyl Acetate	6.283	43	575976	96.623	ug/l	99
24) 1,1-Dichloroethane	6.246	63	111357	19.602	ug/l	99
25) 2-Butanone	7.197	43	116436	107.917	ug/l	98
26) 2,2-Dichloropropane	7.191	77	61574	19.145	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	72447	19.828	ug/l	97
28) Bromochloromethane	7.526	49	45477	19.119	ug/l	95
29) Tetrahydrofuran	7.557	42	71209	100.665	ug/l	99
30) Chloroform	7.697	83	119499	20.062	ug/l	98
31) Cyclohexane	7.971	56	93015	18.250	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	87965	19.407	ug/l	98
36) 1,1-Dichloropropene	8.093	75	79796	18.054	ug/l	99
37) Ethyl Acetate	7.276	43	45760	18.150	ug/l	97
38) Carbon Tetrachloride	8.081	117	76951	18.142	ug/l	97
39) Methylcyclohexane	9.343	83	96666	17.379	ug/l	99
40) Benzene	8.337	78	246338	18.828	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	25293	16.758	ug/l #	88
42) 1,2-Dichloroethane	8.410	62	80488	19.222	ug/l	98
43) Isopropyl Acetate	8.435	43	85842	18.807	ug/l	100
44) Trichloroethene	9.099	130	60019	19.300	ug/l	95
45) 1,2-Dichloropropane	9.374	63	60950	19.344	ug/l	100
46) Dibromomethane	9.471	93	37519	19.209	ug/l	99
47) Bromodichloromethane	9.648	83	90368	19.294	ug/l	100
48) Methyl methacrylate	9.447	41	41595	19.155	ug/l	98
49) 1,4-Dioxane	9.471	88	10049	515.601	ug/l #	87
51) 4-Methyl-2-Pentanone	10.215	43	245168	98.148	ug/l	100
52) Toluene	10.392	92	157140	18.684	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	84239	18.750	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	97451	18.993	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	52642	20.290	ug/l	95
56) Ethyl methacrylate	10.648	69	69654	19.009	ug/l	100
57) 1,3-Dichloropropane	10.934	76	88730	19.412	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	179255	95.240	ug/l	99
59) 2-Hexanone	10.971	43	173812	100.104	ug/l	98
60) Dibromochloromethane	11.129	129	55876	18.471	ug/l	98
61) 1,2-Dibromoethane	11.239	107	49788	19.420	ug/l	97
64) Tetrachloroethene	10.861	164	47029	18.729	ug/l	88
65) Chlorobenzene	11.654	112	175958	18.877	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	54049	18.704	ug/l	97
67) Ethyl Benzene	11.727	91	299038	18.259	ug/l	97
68) m/p-Xylenes	11.837	106	235313	38.166	ug/l	95
69) o-Xylene	12.166	106	108332	18.566	ug/l	99
70) Styrene	12.178	104	191802	19.307	ug/l	99
71) Bromoform	12.349	173	31449	19.899	ug/l #	99
73) Isopropylbenzene	12.465	105	278355	17.881	ug/l	100
74) N-amyl acetate	12.269	43	78536	18.662	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	63403	19.188	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	47498m	19.175	ug/l	
77) Bromobenzene	12.745	156	64884	19.264	ug/l	92
78) n-propylbenzene	12.800	91	344429	18.015	ug/l	100
79) 2-Chlorotoluene	12.885	91	210918	18.477	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	239639	18.355	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	18880	17.597	ug/l	92
82) 4-Chlorotoluene	12.983	91	218121	18.214	ug/l	100
83) tert-Butylbenzene	13.202	119	202558	18.214	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	242003	18.314	ug/l	98
85) sec-Butylbenzene	13.379	105	295232	17.678	ug/l	98
86) p-Isopropyltoluene	13.495	119	238511	17.278	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	127900	18.242	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	131157	19.096	ug/l	99
89) n-Butylbenzene	13.818	91	236719	17.481	ug/l	97
90) Hexachloroethane	14.092	117	43415	18.188	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	120887	19.455	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11287	18.907	ug/l	91
93) 1,2,4-Trichlorobenzene	15.123	180	70350	18.774	ug/l	91
94) Hexachlorobutadiene	15.226	225	33040	18.607	ug/l	94
95) Naphthalene	15.360	128	172955	18.774	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	66101	19.469	ug/l	95

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

