

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047605.D
 Acq On : 17 Sep 2025 10:37
 Operator : JC/MD
 Sample : VX0917WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/18/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 02:00:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	187114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	332235	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	143961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	151849	50.984	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.960%			
35) Dibromofluoromethane	5.367	113	114011	51.168	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.340%			
50) Toluene-d8	8.628	98	394050	51.110	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.220%			
62) 4-Bromofluorobenzene	11.061	95	152687	52.182	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.178	85	30731	15.860	ug/l	99
3) Chloromethane	1.300	50	39439	15.487	ug/l	97
4) Vinyl Chloride	1.380	62	40561	16.271	ug/l	97
5) Bromomethane	1.617	94	28804	18.222	ug/l	96
6) Chloroethane	1.697	64	27632	16.585	ug/l	99
7) Trichlorofluoromethane	1.898	101	61837	16.707	ug/l	99
8) Diethyl Ether	2.136	74	26329	17.390	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	37232	17.203	ug/l	99
10) Methyl Iodide	2.453	142	53209	15.764	ug/l	98
11) Tert butyl alcohol	2.934	59	28745	86.656	ug/l	99
12) 1,1-Dichloroethene	2.325	96	37365	16.808	ug/l	99
13) Acrolein	2.233	56	32983	107.901	ug/l	100
14) Allyl chloride	2.666	41	76210	16.613	ug/l	99
15) Acrylonitrile	3.056	53	110869	90.234	ug/l	99
16) Acetone	2.373	43	95617	73.835	ug/l	97
17) Carbon Disulfide	2.514	76	95482	15.689	ug/l	97
18) Methyl Acetate	2.696	43	56148	19.482	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	144022	17.747	ug/l	98
20) Methylene Chloride	2.788	84	45913	16.749	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	40702	17.006	ug/l	99
22) Diisopropyl ether	3.745	45	156676	17.623	ug/l #	78
23) Vinyl Acetate	3.709	43	627221	88.148	ug/l	99
24) 1,1-Dichloroethane	3.605	63	82286	17.413	ug/l	100
25) 2-Butanone	4.538	43	137734	85.265	ug/l	99
26) 2,2-Dichloropropane	4.464	77	67444	17.170	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	50613	17.267	ug/l	97
28) Bromochloromethane	4.885	49	45145	21.883	ug/l	100
29) Tetrahydrofuran	4.983	42	85821	88.315	ug/l	99
30) Chloroform	5.074	83	85871	17.983	ug/l	100
31) Cyclohexane	5.458	56	68110	17.306	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	71895	17.750	ug/l	99
36) 1,1-Dichloropropene	5.678	75	56127	17.239	ug/l	100
37) Ethyl Acetate	4.696	43	61131	17.536	ug/l	99
38) Carbon Tetrachloride	5.665	117	61614	17.417	ug/l	98
39) Methylcyclohexane	7.366	83	65308	17.671	ug/l	95
40) Benzene	6.019	78	172683	17.462	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	32067	17.818	ug/l	99
42) 1,2-Dichloroethane	6.068	62	67600	17.966	ug/l	99
43) Isopropyl Acetate	6.318	43	101748	17.796	ug/l	99
44) Trichloroethene	7.110	130	42444	17.753	ug/l	96
45) 1,2-Dichloropropane	7.415	63	45126	17.821	ug/l	99
46) Dibromomethane	7.561	93	33006	17.912	ug/l	99
47) Bromodichloromethane	7.805	83	67606	17.780	ug/l	98
48) Methyl methacrylate	7.677	41	50643	17.783	ug/l	99
49) 1,4-Dioxane	7.641	88	10510	365.170	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	297722	93.919	ug/l	98
52) Toluene	8.702	92	108229	17.764	ug/l	97
53) t-1,3-Dichloropropene	8.964	75	69515	17.923	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	74767	18.036	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	43174	18.378	ug/l	99
56) Ethyl methacrylate	9.098	69	68293	18.511	ug/l	99
57) 1,3-Dichloropropane	9.293	76	75142	18.620	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	148642	91.596	ug/l	100
59) 2-Hexanone	9.415	43	204433	89.794	ug/l	99
60) Dibromochloromethane	9.506	129	48962	18.088	ug/l	98
61) 1,2-Dibromoethane	9.592	107	43295	18.094	ug/l	98
64) Tetrachloroethene	9.256	164	33814	17.615	ug/l	97
65) Chlorobenzene	10.061	112	118158	17.662	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	41595	18.019	ug/l	100
67) Ethyl Benzene	10.177	91	206952	17.929	ug/l	100
68) m/p-Xylenes	10.287	106	154309	35.917	ug/l	99
69) o-Xylene	10.622	106	75792	18.239	ug/l	99
70) Styrene	10.640	104	130922	17.981	ug/l	99
71) Bromoform	10.780	173	31781	18.438	ug/l #	97
73) Isopropylbenzene	10.945	105	196753	17.977	ug/l	100
74) N-amyl acetate	10.829	43	89159	17.864	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	59165	17.867	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	47409m	16.265	ug/l	
77) Bromobenzene	11.183	156	48085	17.838	ug/l	98
78) n-propylbenzene	11.286	91	233252	18.028	ug/l	99
79) 2-Chlorotoluene	11.347	91	140545	17.736	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	163041	18.132	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	19215	16.811	ug/l	99
82) 4-Chlorotoluene	11.439	91	169024	18.060	ug/l	100
83) tert-Butylbenzene	11.695	119	163744	17.788	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	163708	17.957	ug/l	99
85) sec-Butylbenzene	11.872	105	200817	18.367	ug/l	99
86) p-Isopropyltoluene	11.988	119	167183	18.061	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	88500	17.676	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	89731	17.461	ug/l	99
89) n-Butylbenzene	12.317	91	158155	18.465	ug/l	98
90) Hexachloroethane	12.518	117	28500	17.537	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	86612	18.157	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	11150	16.631	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	54629	17.621	ug/l	100
94) Hexachlorobutadiene	13.707	225	19500	18.518	ug/l	98
95) Naphthalene	13.756	128	164570	17.433	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	51410	17.827	ug/l	99

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

