

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048210.D
 Acq On : 17 Oct 2025 14:30
 Operator : JC/MD
 Sample : VX1017WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:18:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	149269	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	237242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	228640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	106057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	105155	45.473	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.940%		
35) Dibromofluoromethane	5.367	113	83356	50.626	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.260%		
50) Toluene-d8	8.628	98	282984	47.707	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.420%		
62) 4-Bromofluorobenzene	11.061	95	104268	48.261	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	27419	17.501	ug/l	100
3) Chloromethane	1.300	50	33301	17.546	ug/l	99
4) Vinyl Chloride	1.380	62	37066	18.534	ug/l	100
5) Bromomethane	1.617	94	24571	18.475	ug/l	98
6) Chloroethane	1.697	64	22000	17.286	ug/l	91
7) Trichlorofluoromethane	1.898	101	55934	17.818	ug/l	99
8) Diethyl Ether	2.136	74	19457	18.171	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	33120	18.723	ug/l	99
10) Methyl Iodide	2.453	142	37322	17.615	ug/l	100
11) Tert butyl alcohol	2.934	59	15388	100.288	ug/l	98
12) 1,1-Dichloroethene	2.325	96	31941	18.466	ug/l	89
13) Acrolein	2.233	56	33813	104.858	ug/l	99
14) Allyl chloride	2.666	41	55279	17.767	ug/l	99
15) Acrylonitrile	3.056	53	71563	97.332	ug/l	99
16) Acetone	2.373	43	66028	83.701	ug/l	99
17) Carbon Disulfide	2.514	76	98316	18.474	ug/l	100
18) Methyl Acetate	2.697	43	31501	19.606	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	98011	18.811	ug/l	100
20) Methylene Chloride	2.788	84	35112	18.271	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	32974	18.427	ug/l	98
22) Diisopropyl ether	3.745	45	116053	19.049	ug/l	96
23) Vinyl Acetate	3.709	43	441108	96.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	61245	17.719	ug/l	100
25) 2-Butanone	4.538	43	88866	96.693	ug/l	100
26) 2,2-Dichloropropane	4.465	77	51376	17.390	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	38653	18.201	ug/l	99
28) Bromochloromethane	4.879	49	29911	18.774	ug/l #	15
29) Tetrahydrofuran	4.983	42	54944	101.801	ug/l	99
30) Chloroform	5.074	83	67254	18.482	ug/l	96
31) Cyclohexane	5.452	56	57369	20.285	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	57409	19.201	ug/l	100
36) 1,1-Dichloropropene	5.678	75	45818	19.754	ug/l	97
37) Ethyl Acetate	4.690	43	37917	20.455	ug/l	99
38) Carbon Tetrachloride	5.659	117	52524	19.729	ug/l	99
39) Methylcyclohexane	7.360	83	52148	19.940	ug/l	97
40) Benzene	6.019	78	132231	19.199	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	21715	21.873	ug/l	96
42) 1,2-Dichloroethane	6.068	62	50652	20.527	ug/l	98
43) Isopropyl Acetate	6.318	43	64759	20.812	ug/l	99
44) Trichloroethene	7.104	130	32186	18.543	ug/l	99
45) 1,2-Dichloropropane	7.409	63	34358	19.711	ug/l	98
46) Dibromomethane	7.562	93	24436	19.484	ug/l	99
47) Bromodichloromethane	7.805	83	52721	19.450	ug/l	99
48) Methyl methacrylate	7.677	41	32241	20.241	ug/l	100
49) 1,4-Dioxane	7.647	88	6498	453.188	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	185611	107.196	ug/l	98
52) Toluene	8.702	92	82783	19.998	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	52023	20.486	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	54705	19.764	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	31705	20.527	ug/l	96
56) Ethyl methacrylate	9.098	69	44811	21.331	ug/l	98
57) 1,3-Dichloropropane	9.293	76	56487	20.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	133937	111.884	ug/l	99
59) 2-Hexanone	9.415	43	128963	106.480	ug/l	99
60) Dibromochloromethane	9.500	129	40963	21.188	ug/l	100
61) 1,2-Dibromoethane	9.592	107	33432	21.109	ug/l	100
64) Tetrachloroethene	9.256	164	30309	18.906	ug/l	97
65) Chlorobenzene	10.061	112	96601	19.323	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.146	131	31861	17.686	ug/l	97
67) Ethyl Benzene	10.177	91	156142	18.218	ug/l	99
68) m/p-Xylenes	10.281	106	118677	37.169	ug/l	99
69) o-Xylene	10.622	106	55469	18.455	ug/l	100
70) Styrene	10.640	104	98423	19.024	ug/l	100
71) Bromoform	10.780	173	24901	18.823	ug/l #	100
73) Isopropylbenzene	10.945	105	146767	19.896	ug/l	100
74) N-amyl acetate	10.823	43	55631	20.216	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41929	20.064	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	32967m	20.356	ug/l	
77) Bromobenzene	11.177	156	36037	19.522	ug/l	99
78) n-propylbenzene	11.286	91	177578	19.851	ug/l	100
79) 2-Chlorotoluene	11.347	91	106673	19.738	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	121961	20.142	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	12534	18.951	ug/l	97
82) 4-Chlorotoluene	11.433	91	126552	19.926	ug/l	99
83) tert-Butylbenzene	11.695	119	122893	20.090	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	122765	20.361	ug/l	98
85) sec-Butylbenzene	11.872	105	151659	20.279	ug/l	98
86) p-Isopropyltoluene	11.988	119	125345	19.884	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	67127	19.445	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	67580	18.885	ug/l	96
89) n-Butylbenzene	12.311	91	116756	19.886	ug/l	99
90) Hexachloroethane	12.518	117	24619	18.504	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	63040	19.328	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7742	20.275	ug/l	89
93) 1,2,4-Trichlorobenzene	13.567	180	37185	19.312	ug/l	99
94) Hexachlorobutadiene	13.707	225	15714	21.161	ug/l	96
95) Naphthalene	13.756	128	103923	20.475	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	36419	20.500	ug/l	98

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

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