

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047958.D
 Acq On : 02 Oct 2025 11:45
 Operator : JC/MD
 Sample : VX1002WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/03/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 03:27:41 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	5.544	168	152089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	257772	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	231464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	113361	46.826	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.660%		
35) Dibromofluoromethane	5.379	113	90232	52.195	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.380%		
50) Toluene-d8	8.635	98	309747	51.781	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.560%		
62) 4-Bromofluorobenzene	11.061	95	118188	52.060	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	31469	19.982	ug/l	100
3) Chloromethane	1.307	50	34216	16.531	ug/l	100
4) Vinyl Chloride	1.386	62	38517	19.010	ug/l	99
5) Bromomethane	1.624	94	24880	19.365	ug/l	94
6) Chloroethane	1.697	64	25589	18.896	ug/l	99
7) Trichlorofluoromethane	1.898	101	59579	19.804	ug/l	96
8) Diethyl Ether	2.136	74	20748	16.859	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	35612	20.244	ug/l	99
10) Methyl Iodide	2.459	142	41239	15.031	ug/l	98
11) Tert butyl alcohol	2.941	59	19471	72.216	ug/l	99
12) 1,1-Dichloroethene	2.325	96	33319	18.439	ug/l	92
13) Acrolein	2.239	56	14545	58.541	ug/l	94
14) Allyl chloride	2.666	41	63008	16.898	ug/l	98
15) Acrylonitrile	3.062	53	84903	85.014	ug/l	99
16) Acetone	2.374	43	77506	73.633	ug/l	100
17) Carbon Disulfide	2.520	76	84867	17.156	ug/l	99
18) Methyl Acetate	2.703	43	39975	17.065	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	113229	17.166	ug/l	97
20) Methylene Chloride	2.788	84	40108	18.001	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	35693	18.347	ug/l	98
22) Diisopropyl ether	3.751	45	135125	18.699	ug/l	85
23) Vinyl Acetate	3.715	43	490245	84.764	ug/l	100
24) 1,1-Dichloroethane	3.611	63	72354	18.838	ug/l	98
25) 2-Butanone	4.544	43	103250	78.637	ug/l	98
26) 2,2-Dichloropropane	4.471	77	60352	18.903	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	44833	18.818	ug/l	97
28) Bromochloromethane	4.891	49	36682	21.876	ug/l	98
29) Tetrahydrofuran	4.995	42	62005	78.501	ug/l	98
30) Chloroform	5.080	83	73476	18.931	ug/l	98
31) Cyclohexane	5.458	56	56900	17.787	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	63575	19.311	ug/l	99
36) 1,1-Dichloropropene	5.684	75	48982	19.390	ug/l	99
37) Ethyl Acetate	4.702	43	42781	15.817	ug/l	99
38) Carbon Tetrachloride	5.666	117	55774	20.321	ug/l	99
39) Methylcyclohexane	7.367	83	53521	18.665	ug/l	99
40) Benzene	6.025	78	149020	19.423	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	23592	16.896	ug/l	96
42) 1,2-Dichloroethane	6.074	62	55056	18.859	ug/l	98
43) Isopropyl Acetate	6.330	43	75418	17.001	ug/l	99
44) Trichloroethene	7.117	130	36963	19.927	ug/l	100
45) 1,2-Dichloropropane	7.421	63	39499	20.105	ug/l	93
46) Dibromomethane	7.568	93	27477	19.219	ug/l	98
47) Bromodichloromethane	7.805	83	58275	19.753	ug/l	97
48) Methyl methacrylate	7.677	41	37325	16.892	ug/l	98
49) 1,4-Dioxane	7.653	88	7922	354.762	ug/l	97
51) 4-Methyl-2-Pentanone	8.561	43	219915	89.414	ug/l	98
52) Toluene	8.702	92	93220	19.721	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	56244	18.690	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	61854	19.231	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	36945	20.269	ug/l	97
56) Ethyl methacrylate	9.104	69	51760	18.082	ug/l	99
57) 1,3-Dichloropropane	9.293	76	62466	19.950	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	124044	97.834	ug/l	99
59) 2-Hexanone	9.415	43	150100	84.974	ug/l	100
60) Dibromochloromethane	9.506	129	42599	20.284	ug/l	98
61) 1,2-Dibromoethane	9.592	107	36213	19.506	ug/l	99
64) Tetrachloroethene	9.263	164	30388	20.139	ug/l	93
65) Chlorobenzene	10.061	112	104311	19.837	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	35936	19.805	ug/l	98
67) Ethyl Benzene	10.177	91	176894	19.497	ug/l	100
68) m/p-Xylenes	10.287	106	132924	39.361	ug/l	98
69) o-Xylene	10.628	106	63856	19.549	ug/l	98
70) Styrene	10.640	104	111545	19.489	ug/l	99
71) Bromoform	10.787	173	26166	19.312	ug/l #	98
73) Isopropylbenzene	10.945	105	168264	18.677	ug/l	100
74) N-amyl acetate	10.829	43	65321	15.899	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	49596	18.195	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	41937m	17.479	ug/l	
77) Bromobenzene	11.183	156	41591	18.744	ug/l	97
78) n-propylbenzene	11.287	91	202133	18.979	ug/l	100
79) 2-Chlorotoluene	11.348	91	122496	18.779	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	137546	18.582	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.006	75	14406	15.312	ug/l	98
82) 4-Chlorotoluene	11.439	91	145852	18.932	ug/l	100
83) tert-Butylbenzene	11.695	119	141081	18.619	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	138632	18.473	ug/l	100
85) sec-Butylbenzene	11.872	105	170193	18.910	ug/l	99
86) p-Isopropyltoluene	11.994	119	142803	18.741	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	76310	18.515	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	77823	18.398	ug/l	98
89) n-Butylbenzene	12.317	91	128765	18.263	ug/l	99
90) Hexachloroethane	12.518	117	25059	18.732	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	73324	18.674	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	8378	15.181	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	42185	16.531	ug/l	99
94) Hexachlorobutadiene	13.707	225	14405	16.618	ug/l	94
95) Naphthalene	13.756	128	118857	15.295	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	40082	16.885	ug/l	98

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

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