

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048131.D
 Acq On : 13 Oct 2025 11:24
 Operator : JC/MD
 Sample : VX1013WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1013WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/14/2025
 Supervised By : Mahesh Dadoda 10/14/2025

Quant Time: Oct 14 01:51:36 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	139496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	233746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110233	49.645	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.300%		
35) Dibromofluoromethane	5.379	113	87432	55.773	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.540%		
50) Toluene-d8	8.635	98	292315	53.890	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	107.780%		
62) 4-Bromofluorobenzene	11.061	95	113210	54.993	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	30775	21.305	ug/l	90
3) Chloromethane	1.300	50	35344	18.617	ug/l	96
4) Vinyl Chloride	1.386	62	37794	20.337	ug/l	96
5) Bromomethane	1.624	94	26878	22.808	ug/l	96
6) Chloroethane	1.697	64	23921	19.259	ug/l	98
7) Trichlorofluoromethane	1.898	101	59312	21.495	ug/l	97
8) Diethyl Ether	2.136	74	21099	18.692	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	34661	21.482	ug/l	98
10) Methyl Iodide	2.459	142	38872	15.448	ug/l	100
11) Tert butyl alcohol	2.940	59	19730	79.783	ug/l	97
12) 1,1-Dichloroethene	2.331	96	32835	19.812	ug/l	95
13) Acrolein	2.239	56	18763	82.334	ug/l	99
14) Allyl chloride	2.672	41	59755	17.472	ug/l	99
15) Acrylonitrile	3.062	53	81786	89.286	ug/l	99
16) Acetone	2.373	43	75692	78.401	ug/l	98
17) Carbon Disulfide	2.520	76	97263	21.437	ug/l	97
18) Methyl Acetate	2.703	43	33922	15.788	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	107865	17.829	ug/l	97
20) Methylene Chloride	2.794	84	38349	18.765	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	34754	19.477	ug/l	93
22) Diisopropyl ether	3.757	45	123489	18.631	ug/l	90
23) Vinyl Acetate	3.715	43	490504	92.465	ug/l	98
24) 1,1-Dichloroethane	3.611	63	66260	18.808	ug/l	98
25) 2-Butanone	4.544	43	100254	83.248	ug/l	100
26) 2,2-Dichloropropane	4.471	77	55703	19.021	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	41590	19.032	ug/l	98
28) Bromochloromethane	4.891	49	29527	19.199	ug/l	99
29) Tetrahydrofuran	4.995	42	60097	82.954	ug/l	98
30) Chloroform	5.086	83	70203	19.720	ug/l	98
31) Cyclohexane	5.458	56	59795	20.379	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	60278	19.962	ug/l	99
36) 1,1-Dichloropropene	5.684	75	46256	20.193	ug/l	98
37) Ethyl Acetate	4.708	43	42701	17.410	ug/l	99
38) Carbon Tetrachloride	5.666	117	53447	21.475	ug/l	98
39) Methylcyclohexane	7.366	83	57283	22.030	ug/l	98
40) Benzene	6.025	78	142301	20.453	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	23555	18.603	ug/l	98
42) 1,2-Dichloroethane	6.074	62	53054	20.042	ug/l	99
43) Isopropyl Acetate	6.324	43	72762	18.089	ug/l	100
44) Trichloroethene	7.117	130	35381	21.035	ug/l	95
45) 1,2-Dichloropropane	7.415	63	35945	20.177	ug/l	96
46) Dibromomethane	7.568	93	26506	20.446	ug/l	99
47) Bromodichloromethane	7.805	83	56353	21.065	ug/l	96
48) Methyl methacrylate	7.683	41	35678	17.806	ug/l	97
49) 1,4-Dioxane	7.647	88	8363	413.006	ug/l #	76
51) 4-Methyl-2-Pentanone	8.555	43	210754	94.498	ug/l	98
52) Toluene	8.702	92	88514	20.650	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	53639	19.657	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	59070	20.253	ug/l	100
55) 1,1,2-Trichloroethane	9.134	97	34160	20.668	ug/l	97
56) Ethyl methacrylate	9.104	69	47323	18.231	ug/l	99
57) 1,3-Dichloropropane	9.293	76	58693	20.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	113295	98.475	ug/l	100
59) 2-Hexanone	9.415	43	144400	90.150	ug/l	99
60) Dibromochloromethane	9.506	129	39779	20.888	ug/l	97
61) 1,2-Dibromoethane	9.592	107	34417	20.444	ug/l	97
64) Tetrachloroethene	9.262	164	29356	21.188	ug/l	95
65) Chlorobenzene	10.061	112	96705	20.029	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	33415	20.055	ug/l	98
67) Ethyl Benzene	10.177	91	166122	19.940	ug/l	99
68) m/p-Xylenes	10.287	106	126243	40.712	ug/l	99
69) o-Xylene	10.628	106	59343	19.786	ug/l	100
70) Styrene	10.640	104	104956	19.972	ug/l	99
71) Bromoform	10.780	173	25205	20.260	ug/l #	97
73) Isopropylbenzene	10.945	105	155320	18.559	ug/l	99
74) N-amyl acetate	10.829	43	61111	16.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	46286	18.280	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	41112m	18.446	ug/l	
77) Bromobenzene	11.183	156	38579	18.717	ug/l	99
78) n-propylbenzene	11.287	91	189336	19.138	ug/l	100
79) 2-Chlorotoluene	11.347	91	112525	18.571	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	130422	18.968	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.006	75	13610	15.573	ug/l	98
82) 4-Chlorotoluene	11.439	91	134151	18.746	ug/l	100
83) tert-Butylbenzene	11.695	119	131899	18.739	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	130768	18.759	ug/l	100
85) sec-Butylbenzene	11.872	105	161342	19.298	ug/l	99
86) p-Isopropyltoluene	11.994	119	134252	18.968	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	71619	18.707	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	74007	18.834	ug/l	100
89) n-Butylbenzene	12.317	91	124634	19.030	ug/l	97
90) Hexachloroethane	12.518	117	24287	19.544	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	67412	18.482	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	8497	16.575	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	41190	17.376	ug/l	99
94) Hexachlorobutadiene	13.707	225	15815	19.641	ug/l	99
95) Naphthalene	13.756	128	112486	15.583	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	37838	17.159	ug/l	98

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

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