

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047488.D
 Acq On : 22 Aug 2025 11:51
 Operator : JC/MD
 Sample : VX0822WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0822WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/25/2025
 Supervised By : Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 25 01:25:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	237872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	423338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	191887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165194	49.621	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.240%		
35) Dibromofluoromethane	5.391	113	131523	47.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.740%		
50) Toluene-d8	8.646	98	456106	46.445	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.900%		
62) 4-Bromofluorobenzene	11.079	95	175865	48.529	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	52744	17.394	ug/l	98
3) Chloromethane	1.312	50	47532	17.425	ug/l	96
4) Vinyl Chloride	1.392	62	58135	16.979	ug/l	98
5) Bromomethane	1.629	94	25174	18.203	ug/l	96
6) Chloroethane	1.709	64	38423	18.342	ug/l	96
7) Trichlorofluoromethane	1.904	101	89238	17.621	ug/l	98
8) Diethyl Ether	2.148	74	35832	20.094	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	54922	18.695	ug/l	100
10) Methyl Iodide	2.471	142	67427	13.393	ug/l	93
11) Tert butyl alcohol	2.952	59	31512	108.808	ug/l	100
12) 1,1-Dichloroethene	2.337	96	52068	17.385	ug/l	97
13) Acrolein	2.251	56	69698	114.005	ug/l	99
14) Allyl chloride	2.678	41	96465	18.544	ug/l	99
15) Acrylonitrile	3.080	53	142611	101.905	ug/l	99
16) Acetone	2.391	43	125500	100.292	ug/l	98
17) Carbon Disulfide	2.526	76	155409	17.196	ug/l	98
18) Methyl Acetate	2.715	43	73431	22.645	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186618	20.482	ug/l	99
20) Methylene Chloride	2.800	84	65902	19.889	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	58310	18.343	ug/l	96
22) Diisopropyl ether	3.769	45	214462	20.857	ug/l	97
23) Vinyl Acetate	3.733	43	860333	102.080	ug/l	99
24) 1,1-Dichloroethane	3.623	63	114442	19.691	ug/l	98
25) 2-Butanone	4.568	43	178570	108.960	ug/l	97
26) 2,2-Dichloropropane	4.489	77	80841	18.429	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	73256	19.786	ug/l	96
28) Bromochloromethane	4.909	49	52380	21.658	ug/l	98
29) Tetrahydrofuran	5.019	42	108404	102.340	ug/l	98
30) Chloroform	5.098	83	119002	20.063	ug/l	95
31) Cyclohexane	5.482	56	97532	18.204	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	95278	18.662	ug/l	97
36) 1,1-Dichloropropene	5.702	75	75313	17.365	ug/l	99
37) Ethyl Acetate	4.720	43	76893	17.077	ug/l	96
38) Carbon Tetrachloride	5.684	117	84801	17.892	ug/l	99
39) Methylcyclohexane	7.384	83	91721	16.954	ug/l	96
40) Benzene	6.043	78	247854	19.092	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	38508	20.281	ug/l	96
42) 1,2-Dichloroethane	6.092	62	89819	19.533	ug/l	99
43) Isopropyl Acetate	6.342	43	125415	19.389	ug/l	99
44) Trichloroethene	7.128	130	60804	18.292	ug/l	100
45) 1,2-Dichloropropane	7.433	63	62569	19.239	ug/l	96
46) Dibromomethane	7.586	93	46002	19.483	ug/l	97
47) Bromodichloromethane	7.823	83	96014	19.616	ug/l	99
48) Methyl methacrylate	7.695	41	64500	19.211	ug/l	98
49) 1,4-Dioxane	7.683	88	13517	414.131	ug/l	93
51) 4-Methyl-2-Pentanone	8.573	43	377591	101.440	ug/l	96
52) Toluene	8.720	92	151184	18.847	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	83940	19.649	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	93740	19.386	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	60466	19.853	ug/l	97
56) Ethyl methacrylate	9.116	69	88578	19.726	ug/l	98
57) 1,3-Dichloropropane	9.305	76	105503	20.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	179653	89.339	ug/l	98
59) 2-Hexanone	9.427	43	252296	97.987	ug/l	98
60) Dibromochloromethane	9.518	129	70934	19.597	ug/l	100
61) 1,2-Dibromoethane	9.610	107	61363	19.538	ug/l	100
64) Tetrachloroethene	9.274	164	49991	17.817	ug/l	98
65) Chlorobenzene	10.079	112	171569	18.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	59904	19.223	ug/l	99
67) Ethyl Benzene	10.195	91	293400	18.492	ug/l	99
68) m/p-Xylenes	10.299	106	222278	37.572	ug/l	99
69) o-Xylene	10.640	106	106357	18.681	ug/l	100
70) Styrene	10.652	104	185646	19.298	ug/l	99
71) Bromoform	10.798	173	47070	20.106	ug/l #	98
73) Isopropylbenzene	10.963	105	284187	18.926	ug/l	99
74) N-amyl acetate	10.841	43	107356	18.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87989	19.958	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	69461m	19.736	ug/l	
77) Bromobenzene	11.195	156	69957	19.079	ug/l	98
78) n-propylbenzene	11.304	91	336842	18.782	ug/l	100
79) 2-Chlorotoluene	11.359	91	203482	18.769	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	233046	18.862	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12143	20.503	ug/l	98
82) 4-Chlorotoluene	11.451	91	240809	18.843	ug/l	100
83) tert-Butylbenzene	11.713	119	235219	19.083	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	237710	19.240	ug/l	99
85) sec-Butylbenzene	11.890	105	293002	19.178	ug/l	100
86) p-Isopropyltoluene	12.006	119	242206	18.735	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	134293	19.171	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	135092	18.751	ug/l	99
89) n-Butylbenzene	12.329	91	228109	18.970	ug/l	99
90) Hexachloroethane	12.536	117	40670	17.932	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	128944	19.393	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	16362	19.190	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	83159	18.657	ug/l	99
94) Hexachlorobutadiene	13.719	225	30356	19.133	ug/l	97
95) Naphthalene	13.774	128	248392	19.500	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	80383	19.132	ug/l	100

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

