

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045716.D
 Acq On : 11 Apr 2025 05:09
 Operator : JC/MD
 Sample : VX0410WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2025
 Supervised By : Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 06:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	84400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154529	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83045	53.805	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	5.385	113	56399	51.441	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	8.647	98	195211	51.011	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.079	95	73758	52.914	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25400	20.124	ug/l	98
3) Chloromethane	1.300	50	25227	19.455	ug/l	97
4) Vinyl Chloride	1.374	62	23144	19.503	ug/l	100
5) Bromomethane	1.593	94	10482	18.629	ug/l	98
6) Chloroethane	1.660	64	11512	18.285	ug/l	96
7) Trichlorofluoromethane	1.867	101	35255	19.923	ug/l	98
8) Diethyl Ether	2.136	74	11635	19.584	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.318	101	20250	19.529	ug/l	96
10) Methyl Iodide	2.440	142	22917	17.719	ug/l	95
11) Tert butyl alcohol	2.989	59	22986	110.814	ug/l	99
12) 1,1-Dichloroethene	2.306	96	19479	19.225	ug/l	98
13) Acrolein	2.239	56	25475	89.185	ug/l	98
14) Allyl chloride	2.654	41	35794	18.619	ug/l	98
15) Acrylonitrile	3.068	53	68338	104.369	ug/l	99
16) Acetone	2.386	43	68226	107.648	ug/l	97
17) Carbon Disulfide	2.501	76	36500	14.585	ug/l	100
18) Methyl Acetate	2.703	43	35085	24.044	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	74227	20.942	ug/l	100
20) Methylene Chloride	2.782	84	23490	19.797	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	19874	19.199	ug/l	98
22) Diisopropyl ether	3.763	45	78126	20.630	ug/l	95
23) Vinyl Acetate	3.721	43	319968	97.792	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42908	20.035	ug/l	99
25) 2-Butanone	4.562	43	100210	108.016	ug/l	98
26) 2,2-Dichloropropane	4.464	77	18274	13.206	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	25086	19.892	ug/l	96
28) Bromochloromethane	4.891	49	24999	24.155	ug/l	97
29) Tetrahydrofuran	5.007	42	62897	104.570	ug/l	99
30) Chloroform	5.092	83	44971	20.407	ug/l	98
31) Cyclohexane	5.458	56	35403	18.699	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	37450	20.084	ug/l	99
36) 1,1-Dichloropropene	5.684	75	27693	18.707	ug/l	100
37) Ethyl Acetate	4.720	43	36682	19.663	ug/l	99
38) Carbon Tetrachloride	5.672	117	30748	19.219	ug/l	98
39) Methylcyclohexane	7.372	83	32262	17.779	ug/l	95
40) Benzene	6.037	78	88277	19.526	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20468	20.794	ug/l	98
42) 1,2-Dichloroethane	6.080	62	38327	20.525	ug/l	100
43) Isopropyl Acetate	6.342	43	56202	19.877	ug/l	100
44) Trichloroethene	7.122	130	20382	18.967	ug/l	92
45) 1,2-Dichloropropane	7.427	63	22386	19.845	ug/l	99
46) Dibromomethane	7.580	93	17184	19.844	ug/l	97
47) Bromodichloromethane	7.817	83	33473	19.356	ug/l	96
48) Methyl methacrylate	7.696	41	30019	20.563	ug/l	98
49) 1,4-Dioxane	7.665	88	12320	466.438	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	201116	107.298	ug/l	99
52) Toluene	8.714	92	54561	19.944	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	25583	16.968	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	29174	17.952	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	22959	21.060	ug/l	96
56) Ethyl methacrylate	9.116	69	35837	21.241	ug/l	98
57) 1,3-Dichloropropane	9.305	76	39021	20.555	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	90086	105.552	ug/l	99
59) 2-Hexanone	9.433	43	149064	107.393	ug/l	100
60) Dibromochloromethane	9.518	129	22591	19.008	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22769	20.632	ug/l	100
64) Tetrachloroethene	9.268	164	18915	19.191	ug/l	96
65) Chlorobenzene	10.079	112	59270	19.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19108	18.451	ug/l	98
67) Ethyl Benzene	10.189	91	105334	19.716	ug/l	98
68) m/p-Xylenes	10.299	106	78860	40.584	ug/l	97
69) o-Xylene	10.640	106	38778	20.258	ug/l	99
70) Styrene	10.652	104	62989	19.938	ug/l	99
71) Bromoform	10.799	173	13728	17.753	ug/l #	97
73) Isopropylbenzene	10.963	105	102372	20.216	ug/l	100
74) N-amyl acetate	10.841	43	47185	19.479	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	35441	19.923	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29776m	19.309	ug/l	
77) Bromobenzene	11.195	156	23396	19.996	ug/l	99
78) n-propylbenzene	11.305	91	114554	19.639	ug/l	99
79) 2-Chlorotoluene	11.360	91	74297	19.925	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	86190	20.583	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	5972	13.143	ug/l #	81
82) 4-Chlorotoluene	11.451	91	83373	20.053	ug/l	99
83) tert-Butylbenzene	11.713	119	84393	20.357	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	85850	20.426	ug/l	100
85) sec-Butylbenzene	11.890	105	101219	19.878	ug/l	99
86) p-Isopropyltoluene	12.006	119	83229	19.826	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40885	19.196	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	41765	19.343	ug/l	97
89) n-Butylbenzene	12.329	91	68732	18.881	ug/l	99
90) Hexachloroethane	12.536	117	13156	18.235	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	43180	20.392	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7409	19.915	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	22074	18.728	ug/l	99
94) Hexachlorobutadiene	13.725	225	9704	19.106	ug/l	98
95) Naphthalene	13.774	128	88299	20.131	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	24839	20.125	ug/l	98

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

