

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045261.D
 Acq On : 13 Mar 2025 12:04
 Operator : JC/MD
 Sample : VX0313WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 12:27:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	90235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76581	53.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.700%			
35) Dibromofluoromethane	5.379	113	56701	53.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	8.647	98	201206	52.075	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.140%			
62) 4-Bromofluorobenzene	11.079	95	72484	56.613	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	20301	17.873	ug/l	91
3) Chloromethane	1.301	50	23917	17.206	ug/l	98
4) Vinyl Chloride	1.374	62	21513	15.601	ug/l	97
5) Bromomethane	1.593	94	9644	17.791	ug/l	87
6) Chloroethane	1.666	64	12745	20.038	ug/l	99
7) Trichlorofluoromethane	1.874	101	32751	17.941	ug/l	99
8) Diethyl Ether	2.130	74	11857	16.606	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	20760	19.795	ug/l	96
10) Methyl Iodide	2.441	142	24155	18.430	ug/l	96
11) Tert butyl alcohol	2.977	59	22771	83.756	ug/l	99
12) 1,1-Dichloroethene	2.307	96	19452	17.543	ug/l	99
13) Acrolein	2.233	56	19534	62.155	ug/l	97
14) Allyl chloride	2.654	41	37358	18.928	ug/l	97
15) Acrylonitrile	3.063	53	71162	97.663	ug/l	100
16) Acetone	2.386	43	63364	95.149	ug/l	98
17) Carbon Disulfide	2.502	76	44925	15.212	ug/l	98
18) Methyl Acetate	2.703	43	36043	22.498	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	69631	18.718	ug/l	99
20) Methylene Chloride	2.782	84	23869	18.094	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20303	18.535	ug/l	94
22) Diisopropyl ether	3.764	45	75557	18.823	ug/l	97
23) Vinyl Acetate	3.721	43	318966	95.221	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40880	18.172	ug/l	96
25) 2-Butanone	4.562	43	98953	98.715	ug/l	99
26) 2,2-Dichloropropane	4.471	77	27045	25.631	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	24962	18.460	ug/l	94
28) Bromochloromethane	4.891	49	22946	21.400	ug/l	99
29) Tetrahydrofuran	5.007	42	63444	94.247	ug/l	98
30) Chloroform	5.087	83	42319	18.933	ug/l	97
31) Cyclohexane	5.465	56	36088	18.480	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	33599	18.611	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27375	18.730	ug/l	99
37) Ethyl Acetate	4.715	43	34779	18.466	ug/l	99
38) Carbon Tetrachloride	5.672	117	28609	19.280	ug/l	98
39) Methylcyclohexane	7.373	83	34346	19.611	ug/l	96
40) Benzene	6.032	78	87643	18.989	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21190	20.808	ug/l	98
42) 1,2-Dichloroethane	6.086	62	34127	20.534	ug/l	98
43) Isopropyl Acetate	6.336	43	54500	19.569	ug/l	99
44) Trichloroethene	7.123	130	20397	18.821	ug/l	96
45) 1,2-Dichloropropane	7.428	63	22742	19.165	ug/l	100
46) Dibromomethane	7.580	93	17018	20.290	ug/l	97
47) Bromodichloromethane	7.818	83	32932	20.017	ug/l	96
48) Methyl methacrylate	7.690	41	27898	19.967	ug/l	97
49) 1,4-Dioxane	7.665	88	10531	357.320	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	198103	105.941	ug/l	99
52) Toluene	8.714	92	53476	19.748	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	27245	19.809	ug/l	93
54) cis-1,3-Dichloropropene	8.360	75	32757	20.424	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	22565	20.241	ug/l	97
56) Ethyl methacrylate	9.116	69	34656	20.451	ug/l	96
57) 1,3-Dichloropropane	9.305	76	38745	20.083	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	82405	99.689	ug/l	99
59) 2-Hexanone	9.427	43	141915	104.746	ug/l	100
60) Dibromochloromethane	9.519	129	23618	20.262	ug/l	100
61) 1,2-Dibromoethane	9.610	107	22237	19.981	ug/l	99
64) Tetrachloroethene	9.269	164	17838	19.334	ug/l	98
65) Chlorobenzene	10.080	112	58039	19.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	18837	18.557	ug/l	98
67) Ethyl Benzene	10.189	91	101078	19.031	ug/l	98
68) m/p-Xylenes	10.299	106	76506	39.349	ug/l	99
69) o-Xylene	10.640	106	38094	19.426	ug/l	98
70) Styrene	10.653	104	63529	20.022	ug/l	100
71) Bromoform	10.799	173	14594	19.065	ug/l #	100
73) Isopropylbenzene	10.957	105	98112	19.159	ug/l	100
74) N-amyl acetate	10.842	43	45833	19.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36279	19.306	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29628m	19.402	ug/l	
77) Bromobenzene	11.195	156	23186	19.190	ug/l	99
78) n-propylbenzene	11.299	91	113653	19.647	ug/l	100
79) 2-Chlorotoluene	11.360	91	69432	18.847	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	81812	19.758	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8058	18.059	ug/l #	84
82) 4-Chlorotoluene	11.451	91	80408	20.026	ug/l	98
83) tert-Butylbenzene	11.713	119	81780	19.222	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	82575	19.820	ug/l	98
85) sec-Butylbenzene	11.890	105	103663	20.341	ug/l	99
86) p-Isopropyltoluene	12.006	119	84197	20.444	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41164	19.098	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	40874	18.744	ug/l	97
89) n-Butylbenzene	12.329	91	73393	20.691	ug/l	99
90) Hexachloroethane	12.536	117	13812	18.541	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	42723	19.759	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6848	18.705	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	23419	19.022	ug/l	99
94) Hexachlorobutadiene	13.719	225	9734	19.285	ug/l	97
95) Naphthalene	13.774	128	88047	18.614	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24920	19.187	ug/l	98

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

