

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045158.D
 Acq On : 06 Mar 2025 11:10
 Operator : JC/MD
 Sample : VX0306WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 07 00:37:58 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	5.544	168	97102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77517	50.187	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.380%			
35) Dibromofluoromethane	5.385	113	59755	50.846	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.700%			
50) Toluene-d8	8.647	98	214149	50.263	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.079	95	69431	49.179	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25313	20.710	ug/l	96
3) Chloromethane	1.307	50	28610	19.127	ug/l	99
4) Vinyl Chloride	1.374	62	28735	19.365	ug/l	96
5) Bromomethane	1.593	94	11051	18.945	ug/l	98
6) Chloroethane	1.660	64	11910	17.401	ug/l	94
7) Trichlorofluoromethane	1.861	101	41329	21.039	ug/l	98
8) Diethyl Ether	2.136	74	15031	19.563	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	25913	22.961	ug/l	99
10) Methyl Iodide	2.440	142	28535	20.232	ug/l	97
11) Tert butyl alcohol	2.995	59	24878	85.035	ug/l	99
12) 1,1-Dichloroethene	2.306	96	25437	21.319	ug/l	96
13) Acrolein	2.239	56	32240	95.330	ug/l	97
14) Allyl chloride	2.654	41	45464	21.406	ug/l	99
15) Acrylonitrile	3.068	53	80620	102.818	ug/l	100
16) Acetone	2.392	43	70356	98.177	ug/l	100
17) Carbon Disulfide	2.495	76	56434	17.758	ug/l	100
18) Methyl Acetate	2.709	43	38789	22.500	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	83027	20.741	ug/l	98
20) Methylene Chloride	2.782	84	28513	20.086	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	25882	21.957	ug/l	92
22) Diisopropyl ether	3.763	45	92263	21.360	ug/l	92
23) Vinyl Acetate	3.721	43	379422	105.258	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50777	20.975	ug/l	99
25) 2-Butanone	4.568	43	112114	103.935	ug/l	100
26) 2,2-Dichloropropane	4.464	77	31636	27.861	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	30793	21.161	ug/l	95
28) Bromochloromethane	4.897	49	20937	18.145	ug/l	98
29) Tetrahydrofuran	5.007	42	72574	100.185	ug/l	99
30) Chloroform	5.092	83	50960	21.186	ug/l	100
31) Cyclohexane	5.458	56	46499	22.128	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	40911	21.059	ug/l	98
36) 1,1-Dichloropropene	5.684	75	34442	21.370	ug/l	99
37) Ethyl Acetate	4.714	43	41415	19.942	ug/l	100
38) Carbon Tetrachloride	5.672	117	33530	20.492	ug/l	98
39) Methylcyclohexane	7.372	83	44224	22.900	ug/l	97
40) Benzene	6.031	78	109500	21.516	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23322	20.769	ug/l	99
42) 1,2-Dichloroethane	6.086	62	39213	21.397	ug/l	100
43) Isopropyl Acetate	6.342	43	62094	20.220	ug/l	100
44) Trichloroethene	7.123	130	24906	20.842	ug/l	97
45) 1,2-Dichloropropane	7.427	63	27481	21.002	ug/l	99
46) Dibromomethane	7.580	93	19832	21.443	ug/l	98
47) Bromodichloromethane	7.818	83	37772	20.821	ug/l	97
48) Methyl methacrylate	7.696	41	31277	20.301	ug/l	98
49) 1,4-Dioxane	7.665	88	13860	426.482	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	215309	104.420	ug/l	99
52) Toluene	8.714	92	65138	21.814	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30950	20.407	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	37460	21.182	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	24854	20.219	ug/l	97
56) Ethyl methacrylate	9.116	69	37529	20.084	ug/l	97
57) 1,3-Dichloropropane	9.305	76	43951	20.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	89701	98.410	ug/l	99
59) 2-Hexanone	9.433	43	158142	105.853	ug/l	99
60) Dibromochloromethane	9.518	129	25020	19.466	ug/l	99
61) 1,2-Dibromoethane	9.610	107	24964	20.343	ug/l	100
64) Tetrachloroethene	9.268	164	21040	22.233	ug/l	91
65) Chlorobenzene	10.079	112	67652	21.638	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	21012	20.181	ug/l	97
67) Ethyl Benzene	10.189	91	118147	21.687	ug/l	99
68) m/p-Xylenes	10.299	106	87720	43.986	ug/l	99
69) o-Xylene	10.640	106	43323	21.539	ug/l	99
70) Styrene	10.652	104	70623	21.700	ug/l	99
71) Bromoform	10.799	173	15238	19.408	ug/l #	100
73) Isopropylbenzene	10.963	105	111617	21.304	ug/l	100
74) N-amyl acetate	10.841	43	50220	20.428	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39941	20.775	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31293m	20.030	ug/l	
77) Bromobenzene	11.195	156	25608	20.716	ug/l	100
78) n-propylbenzene	11.305	91	126790	21.423	ug/l	100
79) 2-Chlorotoluene	11.360	91	77393	20.533	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	91126	21.511	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7740	16.954	ug/l #	82
82) 4-Chlorotoluene	11.451	91	87322	21.257	ug/l	99
83) tert-Butylbenzene	11.713	119	91061	20.921	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	91832	21.544	ug/l	100
85) sec-Butylbenzene	11.890	105	112914	21.656	ug/l	100
86) p-Isopropyltoluene	12.006	119	90968	21.589	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	45783	20.761	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	46189	20.703	ug/l	97
89) n-Butylbenzene	12.329	91	79568	21.925	ug/l	99
90) Hexachloroethane	12.536	117	14633	19.200	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	46647	21.087	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7641	20.400	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	26728	21.219	ug/l	99
94) Hexachlorobutadiene	13.725	225	11477	22.224	ug/l	96
95) Naphthalene	13.774	128	102859	21.254	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	28765	21.647	ug/l	99

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

