

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045355.D
 Acq On : 20 Mar 2025 12:53
 Operator : JC/MD
 Sample : VX0320WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:46:07 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	103163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181737	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90427	55.106	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.220%			
35) Dibromofluoromethane	5.379	113	66573	54.782	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.560%			
50) Toluene-d8	8.647	98	227931	51.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.480%			
62) 4-Bromofluorobenzene	11.079	95	76667	52.516	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20816	16.030	ug/l	93
3) Chloromethane	1.307	50	22694	14.280	ug/l	100
4) Vinyl Chloride	1.374	62	22442	14.235	ug/l	95
5) Bromomethane	1.593	94	10536	17.001	ug/l	95
6) Chloroethane	1.666	64	12737	17.516	ug/l	91
7) Trichlorofluoromethane	1.873	101	35069	16.804	ug/l	95
8) Diethyl Ether	2.130	74	12438	15.237	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	22957	19.147	ug/l	99
10) Methyl Iodide	2.447	142	25972	17.333	ug/l	96
11) Tert butyl alcohol	2.977	59	21006	67.582	ug/l	99
12) 1,1-Dichloroethene	2.312	96	21080	16.629	ug/l	95
13) Acrolein	2.233	56	16173	45.012	ug/l	98
14) Allyl chloride	2.660	41	40725	18.048	ug/l	95
15) Acrylonitrile	3.062	53	73899	88.710	ug/l	99
16) Acetone	2.386	43	65813	86.442	ug/l	99
17) Carbon Disulfide	2.501	76	43727	12.951	ug/l	97
18) Methyl Acetate	2.703	43	41294	22.546	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	75611	17.778	ug/l	100
20) Methylene Chloride	2.782	84	25392	16.837	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	21273	16.986	ug/l	98
22) Diisopropyl ether	3.763	45	82592	17.997	ug/l	94
23) Vinyl Acetate	3.721	43	333482	87.078	ug/l	99
24) 1,1-Dichloroethane	3.605	63	46000	17.886	ug/l	100
25) 2-Butanone	4.562	43	103957	90.711	ug/l	93
26) 2,2-Dichloropropane	4.471	77	30710	25.457	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	27428	17.742	ug/l	93
28) Bromochloromethane	4.891	49	22492	18.348	ug/l	98
29) Tetrahydrofuran	5.007	42	64971	84.420	ug/l	98
30) Chloroform	5.086	83	48043	18.800	ug/l	98
31) Cyclohexane	5.458	56	37277	16.697	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	37970	18.397	ug/l	97
36) 1,1-Dichloropropene	5.690	75	28834	17.302	ug/l	98
37) Ethyl Acetate	4.721	43	38316	17.842	ug/l	97
38) Carbon Tetrachloride	5.672	117	31919	18.865	ug/l	94
39) Methylcyclohexane	7.379	83	35667	17.861	ug/l	97
40) Benzene	6.031	78	95403	18.128	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21420	18.447	ug/l	95
42) 1,2-Dichloroethane	6.080	62	37596	19.839	ug/l	96
43) Isopropyl Acetate	6.342	43	58297	18.358	ug/l	99
44) Trichloroethene	7.123	130	22079	17.867	ug/l	97
45) 1,2-Dichloropropane	7.427	63	24774	18.309	ug/l	96
46) Dibromomethane	7.580	93	18218	19.049	ug/l	98
47) Bromodichloromethane	7.818	83	35984	19.182	ug/l	100
48) Methyl methacrylate	7.696	41	29431	18.474	ug/l	93
49) 1,4-Dioxane	7.665	88	10437	310.577	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	199937	93.772	ug/l	99
52) Toluene	8.714	92	58027	18.793	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28125	17.934	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	34347	18.782	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	23399	18.408	ug/l	97
56) Ethyl methacrylate	9.116	69	35410	18.326	ug/l	94
57) 1,3-Dichloropropane	9.305	76	41664	18.940	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	99493	105.558	ug/l	99
59) 2-Hexanone	9.427	43	146337	94.726	ug/l	98
60) Dibromochloromethane	9.518	129	24709	18.591	ug/l	100
61) 1,2-Dibromoethane	9.610	107	23441	18.473	ug/l	95
64) Tetrachloroethene	9.268	164	18524	18.748	ug/l	98
65) Chlorobenzene	10.073	112	61249	18.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20539	18.893	ug/l	97
67) Ethyl Benzene	10.189	91	108805	19.129	ug/l	100
68) m/p-Xylenes	10.299	106	80137	38.487	ug/l	97
69) o-Xylene	10.640	106	40477	19.274	ug/l	97
70) Styrene	10.652	104	64556	18.998	ug/l	98
71) Bromoform	10.799	173	14948	18.235	ug/l #	98
73) Isopropylbenzene	10.957	105	104692	20.247	ug/l	99
74) N-amyl acetate	10.841	43	45871	18.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36461	19.215	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29874m	19.375	ug/l	
77) Bromobenzene	11.195	156	23427	19.202	ug/l	98
78) n-propylbenzene	11.299	91	117971	20.197	ug/l	98
79) 2-Chlorotoluene	11.360	91	72251	19.423	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	84359	20.177	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8196	18.191	ug/l #	83
82) 4-Chlorotoluene	11.451	91	80479	19.851	ug/l	99
83) tert-Butylbenzene	11.713	119	84632	19.701	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	84742	20.144	ug/l	98
85) sec-Butylbenzene	11.890	105	105104	20.425	ug/l	99
86) p-Isopropyltoluene	12.006	119	84328	20.278	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41784	19.199	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41434	18.817	ug/l	98
89) n-Butylbenzene	12.329	91	70969	19.814	ug/l	100
90) Hexachloroethane	12.536	117	13841	18.401	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	41960	19.219	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7380	19.964	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	22232	17.883	ug/l	99
94) Hexachlorobutadiene	13.725	225	9477	18.594	ug/l	98
95) Naphthalene	13.774	128	85625	17.927	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23401	17.843	ug/l	99

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

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