

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045351.D
 Acq On : 20 Mar 2025 11:20
 Operator : JC/MD
 Sample : VX0320WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Manual Integrations
 APPROVED

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

Quant Time: Mar 21 01:43:45 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	90630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81904	56.815	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.620%			
35) Dibromofluoromethane	5.385	113	60253	56.492	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.980%			
50) Toluene-d8	8.647	98	209297	54.128	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.260%			
62) 4-Bromofluorobenzene	11.079	95	73528	57.385	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20709	18.153	ug/l	97
3) Chloromethane	1.307	50	22722	16.275	ug/l	96
4) Vinyl Chloride	1.374	62	23022	16.623	ug/l	100
5) Bromomethane	1.593	94	10424	19.146	ug/l	100
6) Chloroethane	1.666	64	12968	20.300	ug/l	95
7) Trichlorofluoromethane	1.874	101	35277	19.241	ug/l	100
8) Diethyl Ether	2.130	74	13081	18.241	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	23436	22.249	ug/l	98
10) Methyl Iodide	2.447	142	26203	19.906	ug/l	96
11) Tert butyl alcohol	2.977	59	23274	85.233	ug/l	100
12) 1,1-Dichloroethene	2.306	96	21587	19.384	ug/l	98
13) Acrolein	2.233	56	17153	54.341	ug/l	99
14) Allyl chloride	2.654	41	40874	20.619	ug/l	95
15) Acrylonitrile	3.062	53	78749	107.604	ug/l	100
16) Acetone	2.380	43	70005	104.663	ug/l	95
17) Carbon Disulfide	2.501	76	45160	15.225	ug/l	98
18) Methyl Acetate	2.703	43	44088	27.400	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	79696	21.330	ug/l	98
20) Methylene Chloride	2.782	84	26815	20.239	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	21364	19.418	ug/l	98
22) Diisopropyl ether	3.757	45	86751	21.518	ug/l #	81
23) Vinyl Acetate	3.721	43	355268	105.596	ug/l	99
24) 1,1-Dichloroethane	3.599	63	47033	20.816	ug/l	100
25) 2-Butanone	4.556	43	111086	110.336	ug/l	98
26) 2,2-Dichloropropane	4.471	77	30154	28.453	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	27207	20.032	ug/l	91
28) Bromochloromethane	4.891	49	20769	19.285	ug/l	100
29) Tetrahydrofuran	5.007	42	70338	104.032	ug/l	99
30) Chloroform	5.086	83	48516	21.610	ug/l	98
31) Cyclohexane	5.464	56	36823	18.774	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	37054	20.436	ug/l	95
36) 1,1-Dichloropropene	5.684	75	29358	20.071	ug/l	99
37) Ethyl Acetate	4.714	43	40050	21.249	ug/l	99
38) Carbon Tetrachloride	5.666	117	31388	21.137	ug/l	97
39) Methylcyclohexane	7.373	83	36073	20.582	ug/l	93
40) Benzene	6.031	78	96171	20.821	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	23009	22.577	ug/l	98
42) 1,2-Dichloroethane	6.080	62	39286	23.620	ug/l	97
43) Isopropyl Acetate	6.342	43	61789	22.170	ug/l	99
44) Trichloroethene	7.123	130	21843	20.140	ug/l	96
45) 1,2-Dichloropropane	7.427	63	25438	21.420	ug/l	99
46) Dibromomethane	7.574	93	19286	22.976	ug/l	94
47) Bromodichloromethane	7.818	83	36504	22.172	ug/l	99
48) Methyl methacrylate	7.690	41	31576	22.583	ug/l	94
49) 1,4-Dioxane	7.665	88	11197	379.631	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	219214	117.142	ug/l	99
52) Toluene	8.714	92	58197	21.475	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30705	22.308	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	35636	22.203	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	24765	22.198	ug/l	96
56) Ethyl methacrylate	9.116	69	38079	22.454	ug/l	94
57) 1,3-Dichloropropane	9.305	76	43014	22.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	86262	104.276	ug/l	99
59) 2-Hexanone	9.427	43	157787	116.373	ug/l	97
60) Dibromochloromethane	9.518	129	26224	22.481	ug/l	98
61) 1,2-Dibromoethane	9.610	107	24257	21.780	ug/l	99
64) Tetrachloroethene	9.269	164	18918	20.461	ug/l	97
65) Chlorobenzene	10.079	112	63780	20.880	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	21844	21.473	ug/l	97
67) Ethyl Benzene	10.189	91	110794	20.816	ug/l	100
68) m/p-Xylenes	10.299	106	81184	41.666	ug/l	97
69) o-Xylene	10.640	106	40392	20.554	ug/l	96
70) Styrene	10.652	104	68763	21.626	ug/l	99
71) Bromoform	10.799	173	16119	21.013	ug/l #	99
73) Isopropylbenzene	10.957	105	106986	21.476	ug/l	99
74) N-amyl acetate	10.841	43	48806	20.879	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	38581	21.104	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	32326m	21.761	ug/l	
77) Bromobenzene	11.195	156	24727	21.037	ug/l	98
78) n-propylbenzene	11.299	91	122930	21.844	ug/l	98
79) 2-Chlorotoluene	11.360	91	75268	21.001	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	86611	21.502	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8768	20.199	ug/l	85
82) 4-Chlorotoluene	11.451	91	84287	21.579	ug/l	98
83) tert-Butylbenzene	11.713	119	89158	21.542	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	87842	21.673	ug/l	100
85) sec-Butylbenzene	11.890	105	110674	22.324	ug/l	99
86) p-Isopropyltoluene	12.006	119	87942	21.950	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	42971	20.493	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	43463	20.488	ug/l	98
89) n-Butylbenzene	12.329	91	78311	22.694	ug/l	97
90) Hexachloroethane	12.536	117	15237	21.026	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	44484	21.148	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7854	22.053	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	24417	20.386	ug/l	100
94) Hexachlorobutadiene	13.725	225	10643	21.674	ug/l	99
95) Naphthalene	13.774	128	94899	20.623	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	25651	20.301	ug/l	99

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

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