

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045436.D
 Acq On : 25 Mar 2025 13:35
 Operator : JC/MD
 Sample : VX0325WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:37:05 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	88260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79497	56.626	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.260%			
35) Dibromofluoromethane	5.379	113	56889	53.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.820%			
50) Toluene-d8	8.647	98	193748	50.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	69492	54.311	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	21634	19.473	ug/l	93
3) Chloromethane	1.307	50	21765	16.008	ug/l	100
4) Vinyl Chloride	1.374	62	21512	15.950	ug/l	99
5) Bromomethane	1.593	94	10370	19.558	ug/l	98
6) Chloroethane	1.666	64	12272	19.726	ug/l	96
7) Trichlorofluoromethane	1.874	101	35730	20.011	ug/l	98
8) Diethyl Ether	2.130	74	12404	17.761	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	23226	22.642	ug/l	98
10) Methyl Iodide	2.447	142	25124	19.598	ug/l	92
11) Tert butyl alcohol	2.977	59	21298	80.091	ug/l	97
12) 1,1-Dichloroethene	2.313	96	21282	19.623	ug/l	99
13) Acrolein	2.233	56	41176	133.950	ug/l	99
14) Allyl chloride	2.660	41	40753	21.110	ug/l	93
15) Acrylonitrile	3.062	53	74109	103.983	ug/l	97
16) Acetone	2.386	43	71720	110.107	ug/l	99
17) Carbon Disulfide	2.502	76	40407	13.988	ug/l	96
18) Methyl Acetate	2.703	43	46032	29.376	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	78132	21.473	ug/l	99
20) Methylene Chloride	2.782	84	26113	20.238	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	21506	20.072	ug/l	93
22) Diisopropyl ether	3.757	45	83401	21.242	ug/l #	81
23) Vinyl Acetate	3.721	43	340859	104.034	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47200	21.451	ug/l	100
25) 2-Butanone	4.556	43	107857	110.005	ug/l	94
26) 2,2-Dichloropropane	4.471	77	32630	31.616	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	27486	20.781	ug/l	92
28) Bromochloromethane	4.891	49	25516	24.329	ug/l	96
29) Tetrahydrofuran	5.001	42	67379	102.332	ug/l	98
30) Chloroform	5.087	83	48836	22.337	ug/l	100
31) Cyclohexane	5.464	56	37722	19.749	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	39374	22.298	ug/l	96
36) 1,1-Dichloropropene	5.684	75	30671	20.998	ug/l	99
37) Ethyl Acetate	4.715	43	36236	19.253	ug/l	99
38) Carbon Tetrachloride	5.672	117	32393	21.844	ug/l	97
39) Methylcyclohexane	7.379	83	35870	20.495	ug/l	98
40) Benzene	6.031	78	94569	20.503	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22985	22.585	ug/l	97
42) 1,2-Dichloroethane	6.086	62	39733	23.922	ug/l	96
43) Isopropyl Acetate	6.342	43	58934	21.175	ug/l	99
44) Trichloroethene	7.123	130	22201	20.499	ug/l	96
45) 1,2-Dichloropropane	7.428	63	25053	21.126	ug/l	100
46) Dibromomethane	7.580	93	18482	22.050	ug/l	96
47) Bromodichloromethane	7.818	83	37305	22.690	ug/l	99
48) Methyl methacrylate	7.696	41	30493	21.839	ug/l	93
49) 1,4-Dioxane	7.659	88	11048	375.106	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	211951	113.420	ug/l	98
52) Toluene	8.714	92	57834	21.371	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30348	22.080	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	35919	22.410	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	24798	22.259	ug/l	98
56) Ethyl methacrylate	9.116	69	37053	21.880	ug/l	93
57) 1,3-Dichloropropane	9.305	76	42139	21.857	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	81540	98.707	ug/l	99
59) 2-Hexanone	9.427	43	150538	111.183	ug/l	99
60) Dibromochloromethane	9.519	129	25647	22.017	ug/l	99
61) 1,2-Dibromoethane	9.604	107	24141	21.706	ug/l	99
64) Tetrachloroethene	9.269	164	18971	21.606	ug/l	97
65) Chlorobenzene	10.080	112	61991	21.369	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	21269	22.016	ug/l	98
67) Ethyl Benzene	10.189	91	109339	21.631	ug/l	96
68) m/p-Xylenes	10.299	106	79751	43.099	ug/l	93
69) o-Xylene	10.640	106	39921	21.391	ug/l	96
70) Styrene	10.653	104	65405	21.659	ug/l	98
71) Bromoform	10.799	173	15571	21.374	ug/l #	99
73) Isopropylbenzene	10.964	105	107177	22.544	ug/l	98
74) N-amyl acetate	10.842	43	47397	21.246	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	37257	21.355	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	31303m	22.080	ug/l	
77) Bromobenzene	11.195	156	23991	21.388	ug/l	96
78) n-propylbenzene	11.299	91	120148	22.372	ug/l	98
79) 2-Chlorotoluene	11.360	91	74772	21.861	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	86843	22.591	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	8394	20.262	ug/l #	80
82) 4-Chlorotoluene	11.451	91	83643	22.439	ug/l	99
83) tert-Butylbenzene	11.713	119	86114	21.802	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	85798	22.182	ug/l	100
85) sec-Butylbenzene	11.890	105	107683	22.760	ug/l	98
86) p-Isopropyltoluene	12.006	119	86148	22.531	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	41975	20.976	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	41462	20.480	ug/l	97
89) n-Butylbenzene	12.329	91	72708	22.079	ug/l	99
90) Hexachloroethane	12.536	117	14599	21.109	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	42440	21.142	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7496	22.055	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	22997	20.120	ug/l	99
94) Hexachlorobutadiene	13.719	225	10176	21.715	ug/l	98
95) Naphthalene	13.774	128	88346	20.117	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24449	20.276	ug/l	99

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

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