

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045434.D
 Acq On : 25 Mar 2025 12:46
 Operator : JC/MD
 Sample : VX0325WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0325WBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 26 02:44:37 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	5.549	168	85225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75860	55.959	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.920%			
35) Dibromofluoromethane	5.379	113	55461	54.279	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.560%			
50) Toluene-d8	8.646	98	190055	51.307	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.620%			
62) 4-Bromofluorobenzene	11.079	95	70281	57.256	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19429	18.111	ug/l	97
3) Chloromethane	1.306	50	21746	16.564	ug/l	100
4) Vinyl Chloride	1.373	62	20237	15.539	ug/l	92
5) Bromomethane	1.593	94	10257	20.034	ug/l	95
6) Chloroethane	1.666	64	12001	19.977	ug/l	97
7) Trichlorofluoromethane	1.873	101	33031	19.158	ug/l	98
8) Diethyl Ether	2.129	74	11834	17.548	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.318	101	21541	21.747	ug/l	98
10) Methyl Iodide	2.446	142	23376	18.884	ug/l	94
11) Tert butyl alcohol	2.977	59	21266	82.819	ug/l	97
12) 1,1-Dichloroethene	2.306	96	19583	18.700	ug/l	96
13) Acrolein	2.239	56	49203	165.763	ug/l	98
14) Allyl chloride	2.660	41	37472	20.102	ug/l	93
15) Acrylonitrile	3.062	53	70365	102.246	ug/l	99
16) Acetone	2.385	43	63307	100.652	ug/l	98
17) Carbon Disulfide	2.501	76	38000	13.624	ug/l	100
18) Methyl Acetate	2.702	43	41979	27.744	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	72088	20.518	ug/l	99
20) Methylene Chloride	2.782	84	23757	19.068	ug/l	93
21) trans-1,2-Dichloroethene	3.086	96	19574	18.919	ug/l	97
22) Diisopropyl ether	3.763	45	76622	20.211	ug/l	89
23) Vinyl Acetate	3.720	43	312738	98.850	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43328	20.393	ug/l	99
25) 2-Butanone	4.562	43	98665	104.214	ug/l	97
26) 2,2-Dichloropropane	4.464	77	29382	29.482	ug/l	93
27) cis-1,2-Dichloroethene	4.476	96	25457	19.932	ug/l	93
28) Bromochloromethane	4.897	49	21853	21.578	ug/l	97
29) Tetrahydrofuran	5.007	42	61481	96.700	ug/l	99
30) Chloroform	5.086	83	45187	21.404	ug/l	98
31) Cyclohexane	5.464	56	34000	18.435	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	36540	21.430	ug/l	96
36) 1,1-Dichloropropene	5.690	75	27827	19.859	ug/l	98
37) Ethyl Acetate	4.714	43	35746	19.797	ug/l	99
38) Carbon Tetrachloride	5.671	117	30200	21.228	ug/l	96
39) Methylcyclohexane	7.372	83	32582	19.405	ug/l	97
40) Benzene	6.037	78	86956	19.652	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	20987	21.496	ug/l	98
42) 1,2-Dichloroethane	6.080	62	35762	22.444	ug/l	95
43) Isopropyl Acetate	6.342	43	54972	20.589	ug/l	99
44) Trichloroethene	7.122	130	20149	19.393	ug/l	99
45) 1,2-Dichloropropane	7.427	63	23313	20.492	ug/l	94
46) Dibromomethane	7.580	93	17680	21.987	ug/l	93
47) Bromodichloromethane	7.817	83	34682	21.989	ug/l	97
48) Methyl methacrylate	7.695	41	29008	21.656	ug/l	93
49) 1,4-Dioxane	7.665	88	11228	397.374	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	203150	113.318	ug/l	98
52) Toluene	8.713	92	53455	20.590	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	27830	21.106	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	31689	20.609	ug/l #	88
55) 1,1,2-Trichloroethane	9.152	97	22669	21.210	ug/l	94
56) Ethyl methacrylate	9.116	69	34925	21.498	ug/l	91
57) 1,3-Dichloropropane	9.305	76	38424	20.774	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	77048	97.222	ug/l	99
59) 2-Hexanone	9.433	43	148804	114.560	ug/l	97
60) Dibromochloromethane	9.518	129	23497	21.026	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22438	21.030	ug/l	98
64) Tetrachloroethene	9.274	164	17657	20.593	ug/l	98
65) Chlorobenzene	10.079	112	58388	20.611	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	20071	21.276	ug/l	96
67) Ethyl Benzene	10.189	91	102420	20.750	ug/l	100
68) m/p-Xylenes	10.299	106	75581	41.828	ug/l	97
69) o-Xylene	10.640	106	37470	20.561	ug/l	94
70) Styrene	10.652	104	63173	21.424	ug/l	98
71) Bromoform	10.798	173	15141	21.284	ug/l #	98
73) Isopropylbenzene	10.963	105	100851	20.561	ug/l	98
74) N-amyl acetate	10.841	43	46829	20.346	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37457	20.810	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	30708m	20.995	ug/l	
77) Bromobenzene	11.195	156	22827	19.724	ug/l	95
78) n-propylbenzene	11.304	91	113060	20.405	ug/l	99
79) 2-Chlorotoluene	11.359	91	71350	20.220	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	82261	20.741	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8123	19.005	ug/l #	80
82) 4-Chlorotoluene	11.451	91	81265	21.130	ug/l	99
83) tert-Butylbenzene	11.713	119	83890	20.586	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	83705	20.975	ug/l	98
85) sec-Butylbenzene	11.890	105	103191	21.140	ug/l	99
86) p-Isopropyltoluene	12.006	119	82712	20.967	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	41037	19.877	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	40936	19.599	ug/l	95
89) n-Butylbenzene	12.329	91	71415	21.019	ug/l	98
90) Hexachloroethane	12.536	117	13866	19.433	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42825	20.678	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7667	21.864	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	22776	19.314	ug/l	99
94) Hexachlorobutadiene	13.725	225	10251	21.203	ug/l	98
95) Naphthalene	13.774	128	87021	19.206	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	24654	19.817	ug/l	97

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

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