

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046017.D
 Acq On : 02 May 2025 11:08
 Operator : JC/MD
 Sample : VX0502WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:02:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.543	168	80376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73730	50.161	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.320%			
35) Dibromofluoromethane	5.379	113	51521	51.579	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.160%			
50) Toluene-d8	8.646	98	168110	48.218	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.440%			
62) 4-Bromofluorobenzene	11.079	95	67461	53.121	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.240%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	19959	16.605	ug/l	100
3) Chloromethane	1.306	50	20263	16.409	ug/l	96
4) Vinyl Chloride	1.373	62	18954	16.772	ug/l	100
5) Bromomethane	1.593	94	9268	17.296	ug/l	98
6) Chloroethane	1.666	64	10947	18.258	ug/l	99
7) Trichlorofluoromethane	1.873	101	32692	19.399	ug/l	100
8) Diethyl Ether	2.129	74	10885	19.239	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.318	101	20337	20.595	ug/l	98
10) Methyl Iodide	2.446	142	22343	18.140	ug/l	100
11) Tert butyl alcohol	2.971	59	21147	107.053	ug/l	99
12) 1,1-Dichloroethene	2.312	96	17839	18.488	ug/l	91
13) Acrolein	2.239	56	21970	80.765	ug/l	99
14) Allyl chloride	2.660	41	35571	19.429	ug/l	99
15) Acrylonitrile	3.062	53	64533	103.492	ug/l	99
16) Acetone	2.385	43	60769	100.683	ug/l	100
17) Carbon Disulfide	2.501	76	31003	13.009	ug/l	98
18) Methyl Acetate	2.702	43	41325	29.738	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	70784	20.970	ug/l	99
20) Methylene Chloride	2.782	84	21904	19.385	ug/l	98
21) trans-1,2-Dichloroethene	3.086	96	17405	17.656	ug/l	98
22) Diisopropyl ether	3.757	45	74955	20.784	ug/l	91
23) Vinyl Acetate	3.720	43	301369	96.719	ug/l	99
24) 1,1-Dichloroethane	3.599	63	41285	20.242	ug/l	97
25) 2-Butanone	4.556	43	92968	105.227	ug/l	96
26) 2,2-Dichloropropane	4.470	77	29243	22.192	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	22886	19.056	ug/l	95
28) Bromochloromethane	4.891	49	20931	21.237	ug/l	97
29) Tetrahydrofuran	5.007	42	57938	101.148	ug/l	99
30) Chloroform	5.086	83	43478	20.717	ug/l	100
31) Cyclohexane	5.458	56	31825	17.650	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	36232	20.403	ug/l	99
36) 1,1-Dichloropropene	5.690	75	25682	19.042	ug/l	98
37) Ethyl Acetate	4.708	43	32710	19.246	ug/l	97
38) Carbon Tetrachloride	5.665	117	31242	21.434	ug/l	92
39) Methylcyclohexane	7.378	83	31858	19.270	ug/l	98
40) Benzene	6.031	78	80973	19.658	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19485	21.728	ug/l	99
42) 1,2-Dichloroethane	6.080	62	36792	21.626	ug/l	99
43) Isopropyl Acetate	6.342	43	55217	21.435	ug/l	99
44) Trichloroethene	7.122	130	18849	19.253	ug/l	99
45) 1,2-Dichloropropane	7.427	63	21562	20.980	ug/l	96
46) Dibromomethane	7.580	93	16330	20.699	ug/l	96
47) Bromodichloromethane	7.817	83	33123	21.023	ug/l	99
48) Methyl methacrylate	7.695	41	28728	21.600	ug/l	97
49) 1,4-Dioxane	7.659	88	10474	435.261	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	192091	112.487	ug/l	99
52) Toluene	8.713	92	49209	19.743	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	27604	19.674	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	31638	21.369	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	21964	22.115	ug/l	95
56) Ethyl methacrylate	9.116	69	33378	21.715	ug/l	97
57) 1,3-Dichloropropane	9.305	76	37115	21.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	75787	97.467	ug/l	100
59) 2-Hexanone	9.427	43	141747	112.091	ug/l	98
60) Dibromochloromethane	9.518	129	23532	21.733	ug/l	98
61) 1,2-Dibromoethane	9.604	107	22027	21.909	ug/l	98
64) Tetrachloroethene	9.274	164	17456	20.005	ug/l	93
65) Chlorobenzene	10.079	112	55296	20.938	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.158	131	20100	21.922	ug/l	99
67) Ethyl Benzene	10.189	91	97822	20.681	ug/l	99
68) m/p-Xylenes	10.299	106	72729	42.276	ug/l	100
69) o-Xylene	10.640	106	36021	21.255	ug/l	99
70) Styrene	10.652	104	61081	21.837	ug/l	98
71) Bromoform	10.799	173	14599	21.324	ug/l #	98
73) Isopropylbenzene	10.963	105	96245	19.974	ug/l	99
74) N-amyl acetate	10.841	43	46940	20.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34719	20.511	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	29374m	20.018	ug/l	
77) Bromobenzene	11.195	156	22240	19.975	ug/l	99
78) n-propylbenzene	11.305	91	111856	20.153	ug/l	99
79) 2-Chlorotoluene	11.359	91	71470	20.142	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	82137	20.614	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8037	18.589	ug/l	90
82) 4-Chlorotoluene	11.451	91	81823	20.683	ug/l	100
83) tert-Butylbenzene	11.713	119	81270	20.601	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	82642	20.664	ug/l	99
85) sec-Butylbenzene	11.890	105	102119	21.076	ug/l	99
86) p-Isopropyltoluene	12.006	119	83253	20.841	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	41649	20.551	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	41212	20.058	ug/l	97
89) n-Butylbenzene	12.329	91	71979	20.779	ug/l	99
90) Hexachloroethane	12.536	117	14682	21.387	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42977	21.329	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7935	22.415	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	23005	20.511	ug/l	99
94) Hexachlorobutadiene	13.725	225	9933	20.552	ug/l	95
95) Naphthalene	13.774	128	86476	20.719	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	25069	21.346	ug/l	99

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

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