

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045130.D
 Acq On : 05 Mar 2025 10:26
 Operator : JC/MD
 Sample : VX0305WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:00:02 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	98769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75979	48.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.720%		
35) Dibromofluoromethane	5.379	113	58696	49.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.680%		
50) Toluene-d8	8.647	98	215565	49.982	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.960%		
62) 4-Bromofluorobenzene	11.079	95	70764	49.515	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21481	17.278	ug/l	96
3) Chloromethane	1.307	50	26225	17.236	ug/l	99
4) Vinyl Chloride	1.374	62	25102	16.631	ug/l	94
5) Bromomethane	1.593	94	10069	16.970	ug/l	99
6) Chloroethane	1.660	64	10788	15.496	ug/l	100
7) Trichlorofluoromethane	1.867	101	36124	18.079	ug/l	97
8) Diethyl Ether	2.136	74	12688	16.235	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	21877	19.058	ug/l	98
10) Methyl Iodide	2.441	142	25051	17.462	ug/l	99
11) Tert butyl alcohol	2.995	59	20837	70.020	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21299	17.549	ug/l	98
13) Acrolein	2.239	56	32376	94.116	ug/l	99
14) Allyl chloride	2.654	41	38481	17.812	ug/l	97
15) Acrylonitrile	3.068	53	69973	87.734	ug/l	100
16) Acetone	2.386	43	60954	83.622	ug/l	97
17) Carbon Disulfide	2.495	76	51693	15.991	ug/l	98
18) Methyl Acetate	2.709	43	32206	18.366	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	69964	17.182	ug/l	97
20) Methylene Chloride	2.782	84	24882	17.232	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	21772	18.158	ug/l	93
22) Diisopropyl ether	3.763	45	78201	17.799	ug/l	95
23) Vinyl Acetate	3.721	43	321815	87.770	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43208	17.547	ug/l	98
25) 2-Butanone	4.562	43	97011	88.416	ug/l	95
26) 2,2-Dichloropropane	4.471	77	29281	25.352	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	26173	17.683	ug/l	97
28) Bromochloromethane	4.891	49	24801	21.131	ug/l	98
29) Tetrahydrofuran	5.007	42	63896	86.717	ug/l	100
30) Chloroform	5.086	83	43030	17.587	ug/l	99
31) Cyclohexane	5.458	56	39502	18.481	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	35212	17.819	ug/l	99
36) 1,1-Dichloropropene	5.684	75	28601	17.531	ug/l	98
37) Ethyl Acetate	4.721	43	35651	16.958	ug/l	99
38) Carbon Tetrachloride	5.672	117	29823	18.005	ug/l	94
39) Methylcyclohexane	7.379	83	37321	19.091	ug/l	97
40) Benzene	6.031	78	93693	18.186	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19884	17.492	ug/l	99
42) 1,2-Dichloroethane	6.080	62	33034	17.806	ug/l	100
43) Isopropyl Acetate	6.342	43	53751	17.291	ug/l	99
44) Trichloroethene	7.123	130	21228	17.548	ug/l	98
45) 1,2-Dichloropropane	7.427	63	23229	17.537	ug/l	100
46) Dibromomethane	7.580	93	16830	17.976	ug/l	100
47) Bromodichloromethane	7.818	83	32751	17.834	ug/l	100
48) Methyl methacrylate	7.696	41	27005	17.316	ug/l	100
49) 1,4-Dioxane	7.671	88	11794	358.508	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	186745	89.468	ug/l	99
52) Toluene	8.714	92	55728	18.437	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	27299	17.782	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32740	18.288	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	22188	17.831	ug/l	99
56) Ethyl methacrylate	9.116	69	31725	16.772	ug/l	97
57) 1,3-Dichloropropane	9.305	76	38444	17.852	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	91212	98.854	ug/l	99
59) 2-Hexanone	9.433	43	134690	89.062	ug/l	100
60) Dibromochloromethane	9.519	129	22271	17.117	ug/l	98
61) 1,2-Dibromoethane	9.610	107	22232	17.897	ug/l	98
64) Tetrachloroethene	9.269	164	18169	18.522	ug/l	94
65) Chlorobenzene	10.079	112	60057	18.531	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	18881	17.494	ug/l	98
67) Ethyl Benzene	10.195	91	104623	18.527	ug/l	98
68) m/p-Xylenes	10.299	106	79227	38.326	ug/l	98
69) o-Xylene	10.640	106	38603	18.515	ug/l	98
70) Styrene	10.652	104	62119	18.414	ug/l	100
71) Bromoform	10.799	173	14223	17.476	ug/l #	99
73) Isopropylbenzene	10.963	105	99357	18.537	ug/l	99
74) N-amyl acetate	10.841	43	43022	17.106	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34410	17.495	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	31073m	19.442	ug/l	
77) Bromobenzene	11.201	156	22526	17.813	ug/l	98
78) n-propylbenzene	11.305	91	111961	18.492	ug/l	99
79) 2-Chlorotoluene	11.366	91	67983	17.631	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	81071	18.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7585	16.241	ug/l	87
82) 4-Chlorotoluene	11.451	91	75650	18.001	ug/l	99
83) tert-Butylbenzene	11.713	119	80170	18.004	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	80507	18.462	ug/l	98
85) sec-Butylbenzene	11.890	105	100051	18.757	ug/l	100
86) p-Isopropyltoluene	12.006	119	81717	18.957	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41421	18.360	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	41624	18.237	ug/l	98
89) n-Butylbenzene	12.329	91	68722	18.510	ug/l	99
90) Hexachloroethane	12.536	117	13358	17.133	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	41178	18.196	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6446	16.822	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	23221	18.020	ug/l	100
94) Hexachlorobutadiene	13.725	225	9699	18.359	ug/l	98
95) Naphthalene	13.774	128	89255	18.028	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	25405	18.688	ug/l	99

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

