

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031225\
 Data File : VX045242.D
 Acq On : 12 Mar 2025 12:38
 Operator : JC/MD
 Sample : VX0312WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/13/2025
 Supervised By : Mahesh Dadoda 03/13/2025

Quant Time: Mar 13 01:39:11 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	92230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73422	50.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.100%			
35) Dibromofluoromethane	5.379	113	53880	49.807	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.647	98	195097	49.747	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.500%			
62) 4-Bromofluorobenzene	11.079	95	69972	53.843	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20755	17.877	ug/l	97
3) Chloromethane	1.307	50	24592	17.309	ug/l	97
4) Vinyl Chloride	1.374	62	22836	16.202	ug/l	100
5) Bromomethane	1.593	94	10126	18.276	ug/l	99
6) Chloroethane	1.660	64	12779	19.657	ug/l	95
7) Trichlorofluoromethane	1.867	101	33974	18.209	ug/l	97
8) Diethyl Ether	2.130	74	12211	16.732	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	21220	19.796	ug/l	99
10) Methyl Iodide	2.441	142	24876	18.570	ug/l	98
11) Tert butyl alcohol	2.983	59	21060	75.787	ug/l	98
12) 1,1-Dichloroethene	2.306	96	20406	18.006	ug/l	99
13) Acrolein	2.233	56	22172	69.023	ug/l	100
14) Allyl chloride	2.654	41	38311	18.991	ug/l	99
15) Acrylonitrile	3.062	53	72265	97.031	ug/l	100
16) Acetone	2.386	43	62567	91.920	ug/l	97
17) Carbon Disulfide	2.501	76	45065	14.929	ug/l	97
18) Methyl Acetate	2.703	43	36210	22.113	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	71785	18.880	ug/l	98
20) Methylene Chloride	2.782	84	24658	18.288	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	20073	17.928	ug/l	98
22) Diisopropyl ether	3.757	45	78233	19.068	ug/l #	82
23) Vinyl Acetate	3.721	43	326230	95.283	ug/l	99
24) 1,1-Dichloroethane	3.599	63	42368	18.426	ug/l	99
25) 2-Butanone	4.556	43	100153	97.751	ug/l	100
26) 2,2-Dichloropropane	4.471	77	26636	24.697	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	25820	18.681	ug/l	95
28) Bromochloromethane	4.891	49	22235	20.288	ug/l	98
29) Tetrahydrofuran	5.007	42	65451	95.125	ug/l	98
30) Chloroform	5.086	83	43024	18.832	ug/l	99
31) Cyclohexane	5.464	56	35812	17.942	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	34912	18.920	ug/l	98
36) 1,1-Dichloropropene	5.684	75	28290	19.069	ug/l	100
37) Ethyl Acetate	4.715	43	35377	18.506	ug/l	98
38) Carbon Tetrachloride	5.672	117	28811	19.129	ug/l	97
39) Methylcyclohexane	7.373	83	35429	19.931	ug/l	97
40) Benzene	6.031	78	89979	19.207	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20678	20.005	ug/l	97
42) 1,2-Dichloroethane	6.080	62	33037	19.584	ug/l	98
43) Isopropyl Acetate	6.342	43	57228	20.245	ug/l	99
44) Trichloroethene	7.123	130	20872	18.975	ug/l	93
45) 1,2-Dichloropropane	7.427	63	23304	19.348	ug/l	98
46) Dibromomethane	7.580	93	17601	20.675	ug/l	95
47) Bromodichloromethane	7.818	83	33320	19.954	ug/l	99
48) Methyl methacrylate	7.690	41	28608	20.173	ug/l	97
49) 1,4-Dioxane	7.665	88	10713	358.121	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	202750	106.822	ug/l	100
52) Toluene	8.714	92	54775	19.928	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	27114	19.422	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32101	19.719	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	22184	19.605	ug/l	97
56) Ethyl methacrylate	9.116	69	34777	20.219	ug/l	96
57) 1,3-Dichloropropane	9.305	76	39515	20.179	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	83766	99.837	ug/l	99
59) 2-Hexanone	9.427	43	148797	108.201	ug/l	98
60) Dibromochloromethane	9.519	129	23484	19.849	ug/l	97
61) 1,2-Dibromoethane	9.610	107	22888	20.262	ug/l	97
64) Tetrachloroethene	9.269	164	17650	18.769	ug/l	94
65) Chlorobenzene	10.073	112	60427	19.450	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	19436	18.785	ug/l	97
67) Ethyl Benzene	10.189	91	103845	19.183	ug/l	98
68) m/p-Xylenes	10.299	106	77745	39.231	ug/l	99
69) o-Xylene	10.640	106	38461	19.243	ug/l	99
70) Styrene	10.652	104	65215	20.165	ug/l	99
71) Bromoform	10.799	173	15203	19.486	ug/l #	99
73) Isopropylbenzene	10.957	105	100711	19.029	ug/l	99
74) N-amyl acetate	10.841	43	47380	19.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37293	19.202	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30501m	19.327	ug/l	
77) Bromobenzene	11.195	156	23439	18.771	ug/l	98
78) n-propylbenzene	11.305	91	116384	19.467	ug/l	98
79) 2-Chlorotoluene	11.360	91	72340	18.999	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	83574	19.530	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8254	17.898	ug/l	84
82) 4-Chlorotoluene	11.451	91	81530	19.647	ug/l	98
83) tert-Butylbenzene	11.713	119	84095	19.126	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	84235	19.563	ug/l	99
85) sec-Butylbenzene	11.890	105	105696	20.068	ug/l	98
86) p-Isopropyltoluene	12.006	119	86171	20.245	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	42891	19.254	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	42057	18.661	ug/l	98
89) n-Butylbenzene	12.329	91	73449	20.035	ug/l	100
90) Hexachloroethane	12.536	117	13431	17.445	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	43417	19.429	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6992	18.480	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	24458	19.222	ug/l	100
94) Hexachlorobutadiene	13.725	225	9972	19.116	ug/l	97
95) Naphthalene	13.774	128	91799	18.778	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	25071	18.677	ug/l	98

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

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