

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045537.D
 Acq On : 02 Apr 2025 11:16
 Operator : JC/MD
 Sample : VX0402WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Apr 03 01:47:00 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	5.550	168	97242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172610	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88988	50.041	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.080%			
35) Dibromofluoromethane	5.379	113	61297	50.052	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.100%			
50) Toluene-d8	8.647	98	215754	50.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.079	95	76787	49.317	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30012	20.637	ug/l	97
3) Chloromethane	1.307	50	28768	19.256	ug/l	99
4) Vinyl Chloride	1.374	62	25162	18.403	ug/l	100
5) Bromomethane	1.593	94	11745	18.117	ug/l	93
6) Chloroethane	1.666	64	14340	19.768	ug/l	97
7) Trichlorofluoromethane	1.874	101	38974	19.116	ug/l	98
8) Diethyl Ether	2.130	74	12323	18.003	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	23063	19.304	ug/l	98
10) Methyl Iodide	2.441	142	26957	18.090	ug/l	98
11) Tert butyl alcohol	2.977	59	23389	97.866	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22131	18.958	ug/l	96
13) Acrolein	2.239	56	33508	101.815	ug/l	99
14) Allyl chloride	2.654	41	41709	18.830	ug/l	98
15) Acrylonitrile	3.062	53	72222	95.734	ug/l	98
16) Acetone	2.386	43	67054	91.827	ug/l	98
17) Carbon Disulfide	2.502	76	55332	19.191	ug/l	98
18) Methyl Acetate	2.703	43	31098	18.497	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	75445	18.475	ug/l	100
20) Methylene Chloride	2.782	84	25698	18.798	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	22242	18.649	ug/l	98
22) Diisopropyl ether	3.764	45	81271	18.627	ug/l	96
23) Vinyl Acetate	3.721	43	360627	95.663	ug/l	99
24) 1,1-Dichloroethane	3.605	63	46123	18.692	ug/l	99
25) 2-Butanone	4.556	43	104257	97.537	ug/l	98
26) 2,2-Dichloropropane	4.471	77	32811	20.581	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	27165	18.696	ug/l	99
28) Bromochloromethane	4.891	49	23290	19.532	ug/l	100
29) Tetrahydrofuran	5.007	42	65001	93.797	ug/l	99
30) Chloroform	5.087	83	47193	18.587	ug/l	97
31) Cyclohexane	5.464	56	41300	18.932	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	39809	18.529	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29591	17.895	ug/l	98
37) Ethyl Acetate	4.715	43	37975	18.224	ug/l	99
38) Carbon Tetrachloride	5.672	117	34486	19.297	ug/l	94
39) Methylcyclohexane	7.379	83	38723	19.104	ug/l	97
40) Benzene	6.031	78	93643	18.543	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21891	19.910	ug/l	99
42) 1,2-Dichloroethane	6.080	62	39443	18.910	ug/l	99
43) Isopropyl Acetate	6.342	43	59700	18.903	ug/l	99
44) Trichloroethene	7.129	130	22396	18.658	ug/l	97
45) 1,2-Dichloropropane	7.434	63	23222	18.430	ug/l	96
46) Dibromomethane	7.580	93	18331	18.951	ug/l	99
47) Bromodichloromethane	7.818	83	36461	18.875	ug/l	95
48) Methyl methacrylate	7.696	41	31163	19.110	ug/l	99
49) 1,4-Dioxane	7.659	88	12392	420.019	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	208518	99.593	ug/l	100
52) Toluene	8.714	92	57194	18.716	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	29950	17.674	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	34792	19.166	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	23430	19.241	ug/l	97
56) Ethyl methacrylate	9.116	69	35277	18.719	ug/l	98
57) 1,3-Dichloropropane	9.305	76	39879	18.807	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	95822	100.512	ug/l	100
59) 2-Hexanone	9.427	43	154852	99.877	ug/l	100
60) Dibromochloromethane	9.519	129	25360	19.103	ug/l	95
61) 1,2-Dibromoethane	9.610	107	23060	18.707	ug/l	99
64) Tetrachloroethene	9.269	164	19432	18.694	ug/l	99
65) Chlorobenzene	10.079	112	60956	19.376	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20450	18.723	ug/l	99
67) Ethyl Benzene	10.189	91	109555	19.444	ug/l	99
68) m/p-Xylenes	10.299	106	80731	39.394	ug/l	99
69) o-Xylene	10.640	106	40422	20.023	ug/l	97
70) Styrene	10.653	104	65225	19.575	ug/l	99
71) Bromoform	10.799	173	15907	19.505	ug/l #	98
73) Isopropylbenzene	10.963	105	103888	18.880	ug/l	98
74) N-amyl acetate	10.842	43	50789	19.296	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	37135	19.211	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30527m	18.218	ug/l	
77) Bromobenzene	11.195	156	23634	18.589	ug/l	98
78) n-propylbenzene	11.305	91	119031	18.780	ug/l	98
79) 2-Chlorotoluene	11.366	91	76310	18.833	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	89596	19.691	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8792	17.808	ug/l	94
82) 4-Chlorotoluene	11.451	91	84294	18.659	ug/l	98
83) tert-Butylbenzene	11.713	119	86073	19.107	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	87116	19.076	ug/l	98
85) sec-Butylbenzene	11.890	105	107620	19.451	ug/l	100
86) p-Isopropyltoluene	12.006	119	87600	19.204	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	43044	18.599	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	43463	18.525	ug/l	97
89) n-Butylbenzene	12.329	91	75339	19.046	ug/l	99
90) Hexachloroethane	12.536	117	14765	18.834	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	45113	19.607	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8192	20.265	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23961	18.708	ug/l	99
94) Hexachlorobutadiene	13.719	225	10855	19.669	ug/l	98
95) Naphthalene	13.774	128	89869	18.856	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24874	18.547	ug/l	98

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

