

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045453.D
 Acq On : 25 Mar 2025 20:14
 Operator : JC/MD
 Sample : Q1608-12MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20250318MS

Quant Time: Mar 26 01:45:43 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	75274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137526	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67843	56.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.320%			
35) Dibromofluoromethane	5.379	113	48641	52.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.780%			
50) Toluene-d8	8.647	98	166935	50.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.140%			
62) 4-Bromofluorobenzene	11.079	95	63445	57.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	59832	63.146	ug/l	97
3) Chloromethane	1.301	50	62763	54.127	ug/l	98
4) Vinyl Chloride	1.374	62	56780	49.361	ug/l	99
5) Bromomethane	1.593	94	25624	56.665	ug/l	98
6) Chloroethane	1.660	64	29739	56.049	ug/l	99
7) Trichlorofluoromethane	1.874	101	81927	53.801	ug/l	98
8) Diethyl Ether	2.130	74	27732	46.560	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	54689	62.511	ug/l	99
10) Methyl Iodide	2.441	142	64444	58.943	ug/l	95
11) Tert butyl alcohol	2.989	59	53301	235.017	ug/l	97
12) 1,1-Dichloroethene	2.307	96	49511	53.528	ug/l	95
13) Acrolein	2.233	56	74173	282.920	ug/l	98
14) Allyl chloride	2.654	41	91452	55.544	ug/l	94
15) Acrylonitrile	3.063	53	158269	260.380	ug/l	98
16) Acetone	2.386	43	151022	271.852	ug/l	97
17) Carbon Disulfide	2.502	76	117782	47.809	ug/l	98
18) Methyl Acetate	2.703	43	61707	46.173	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	165578	53.357	ug/l	97
20) Methylene Chloride	2.782	84	55644	50.565	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	48788	53.391	ug/l	97
22) Diisopropyl ether	3.758	45	180498	53.904	ug/l #	87
23) Vinyl Acetate	3.715	43	741441	265.335	ug/l	98
24) 1,1-Dichloroethane	3.605	63	100738	53.681	ug/l	99
25) 2-Butanone	4.556	43	231423	276.752	ug/l	97
26) 2,2-Dichloropropane	4.465	77	58131	66.041	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	61622	54.628	ug/l	93
28) Bromochloromethane	4.891	49	49330	55.149	ug/l	97
29) Tetrahydrofuran	5.007	42	146468	260.824	ug/l	99
30) Chloroform	5.087	83	105279	56.461	ug/l	98
31) Cyclohexane	5.458	56	89260	54.794	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	84889	56.368	ug/l	97
36) 1,1-Dichloropropene	5.684	75	66602	52.811	ug/l	99
37) Ethyl Acetate	4.715	43	80246	49.380	ug/l	99
38) Carbon Tetrachloride	5.666	117	71130	55.555	ug/l	99
39) Methylcyclohexane	7.373	83	84382	55.840	ug/l	96
40) Benzene	6.032	78	208143	52.266	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	48028	54.658	ug/l	98
42) 1,2-Dichloroethane	6.080	62	83793	58.431	ug/l	96
43) Isopropyl Acetate	6.336	43	123504	51.396	ug/l	99
44) Trichloroethene	7.117	130	171657	183.571	ug/l	98
45) 1,2-Dichloropropane	7.428	63	51556	50.352	ug/l	97
46) Dibromomethane	7.580	93	38883	53.727	ug/l	96
47) Bromodichloromethane	7.818	83	77659	54.707	ug/l	97
48) Methyl methacrylate	7.690	41	68214	56.583	ug/l	93
49) 1,4-Dioxane	7.659	88	28024	1102.003	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	459467	284.768	ug/l	98
52) Toluene	8.714	92	124829	53.425	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	64569	54.408	ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	73432	53.063	ug/l #	88
55) 1,1,2-Trichloroethane	9.147	97	50866	52.881	ug/l	98
56) Ethyl methacrylate	9.116	69	81211	55.542	ug/l	92
57) 1,3-Dichloropropane	9.305	76	86605	52.026	ug/l	99
59) 2-Hexanone	9.427	43	348369	297.997	ug/l	97
60) Dibromochloromethane	9.519	129	54443	54.132	ug/l	99
61) 1,2-Dibromoethane	9.604	107	51698	53.837	ug/l	97
64) Tetrachloroethene	9.269	164	45256	58.224	ug/l	97
65) Chlorobenzene	10.073	112	133074	51.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	44970	52.584	ug/l	96
67) Ethyl Benzene	10.189	91	241425	53.955	ug/l	100
68) m/p-Xylenes	10.299	106	174457	106.504	ug/l	94
69) o-Xylene	10.640	106	85858	51.970	ug/l	93
70) Styrene	10.653	104	148946	55.720	ug/l	98
71) Bromoform	10.799	173	35249	54.659	ug/l #	98
73) Isopropylbenzene	10.957	105	230995	51.672	ug/l	99
74) N-amyl acetate	10.842	43	108961	51.944	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	82659	50.387	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	68656m	51.503	ug/l	
77) Bromobenzene	11.195	156	53228	50.465	ug/l	95
78) n-propylbenzene	11.299	91	269107	53.289	ug/l	98
79) 2-Chlorotoluene	11.360	91	165161	51.354	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	189979	52.558	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	19709	50.596	ug/l	85
82) 4-Chlorotoluene	11.451	91	186957	53.338	ug/l	97
83) tert-Butylbenzene	11.713	119	191732	51.625	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	192914	53.041	ug/l	99
85) sec-Butylbenzene	11.890	105	236009	53.049	ug/l	99
86) p-Isopropyltoluene	12.006	119	192339	53.497	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	96495	51.283	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	95102	49.958	ug/l	98
89) n-Butylbenzene	12.329	91	170243	54.978	ug/l	99
90) Hexachloroethane	12.536	117	33310	51.222	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	97391	51.597	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17914	56.052	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	54675	50.871	ug/l	99
94) Hexachlorobutadiene	13.725	225	22030	49.996	ug/l	99
95) Naphthalene	13.774	128	210140	50.889	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	56493	49.825	ug/l	98

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

