

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044973.D
 Acq On : 14 Feb 2025 19:43
 Operator : JC/MD
 Sample : Q1363-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33D-021225MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:20:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	87367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162792	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	149234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73871	57.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.520%			
35) Dibromofluoromethane	5.379	113	58879	55.629	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.260%			
50) Toluene-d8	8.647	98	217960	54.459	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.920%			
62) 4-Bromofluorobenzene	11.079	95	79003	58.553	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 117.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	74436	60.746	ug/l	96
3) Chloromethane	1.300	50	77975	52.284	ug/l	98
4) Vinyl Chloride	1.374	62	73439	50.829	ug/l	99
5) Bromomethane	1.599	94	32586	75.370	ug/l	98
6) Chloroethane	1.678	64	44072	99.801	ug/l	100
7) Trichlorofluoromethane	1.880	101	103614	56.708	ug/l	99
8) Diethyl Ether	2.130	74	37435	56.494	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	63368	57.401	ug/l	99
10) Methyl Iodide	2.447	142	79463	55.540	ug/l	97
11) Tert butyl alcohol	2.959	59	74598	314.419	ug/l	99
12) 1,1-Dichloroethene	2.312	96	59876	53.172	ug/l	92
13) Acrolein	2.233	56	73481	300.181	ug/l	99
14) Allyl chloride	2.660	41	112532	55.295	ug/l	98
15) Acrylonitrile	3.056	53	192489	303.865	ug/l	98
16) Acetone	2.373	43	163535	318.083	ug/l	93
17) Carbon Disulfide	2.507	76	156801	50.778	ug/l	99
18) Methyl Acetate	2.696	43	97164	59.889	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	201723	56.302	ug/l	100
20) Methylene Chloride	2.788	84	69398	55.108	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	60987	55.027	ug/l	92
22) Diisopropyl ether	3.757	45	223934	58.161	ug/l	98
23) Vinyl Acetate	3.715	43	892983	284.488	ug/l	99
24) 1,1-Dichloroethane	3.605	63	120285	55.834	ug/l	98
25) 2-Butanone	4.550	43	270400	323.891	ug/l	96
26) 2,2-Dichloropropane	4.464	77	82392	48.226	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	77639	58.319	ug/l	99
28) Bromochloromethane	4.891	49	61171	59.084	ug/l	99
29) Tetrahydrofuran	4.995	42	173649	313.243	ug/l	99
30) Chloroform	5.086	83	120017	57.445	ug/l	99
31) Cyclohexane	5.464	56	104280	52.505	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	101477	57.263	ug/l	99
36) 1,1-Dichloropropene	5.690	75	82390	53.955	ug/l	99
37) Ethyl Acetate	4.708	43	97704	57.524	ug/l	99
38) Carbon Tetrachloride	5.672	117	82986	55.457	ug/l	99
39) Methylcyclohexane	7.372	83	105123	53.249	ug/l	96
40) Benzene	6.031	78	261188	54.777	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	56683	62.348	ug/l	99
42) 1,2-Dichloroethane	6.080	62	90137	59.313	ug/l	98
43) Isopropyl Acetate	6.336	43	160008	58.338	ug/l	98
44) Trichloroethene	7.116	130	67738	62.151	ug/l	98
45) 1,2-Dichloropropane	7.427	63	66755	56.273	ug/l	99
46) Dibromomethane	7.574	93	47222	57.401	ug/l	100
47) Bromodichloromethane	7.818	83	93568	58.739	ug/l	99
48) Methyl methacrylate	7.689	41	80029	61.882	ug/l	96
49) 1,4-Dioxane	7.653	88	37192	1340.417	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	536092	321.504	ug/l	98
52) Toluene	8.714	92	158915	55.961	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	91140	56.539	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	100309	55.811	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	63500	58.170	ug/l	99
56) Ethyl methacrylate	9.116	69	104351	59.186	ug/l	97
57) 1,3-Dichloropropane	9.305	76	109859	57.517	ug/l	100
59) 2-Hexanone	9.427	43	399403	332.444	ug/l	97
60) Dibromochloromethane	9.518	129	69860	59.839	ug/l	99
61) 1,2-Dibromoethane	9.604	107	63977	57.823	ug/l	100
64) Tetrachloroethene	9.268	164	51544	54.768	ug/l	99
65) Chlorobenzene	10.073	112	173180	54.029	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56795	55.050	ug/l	99
67) Ethyl Benzene	10.189	91	306477	54.182	ug/l	99
68) m/p-Xylenes	10.299	106	226392	108.501	ug/l	99
69) o-Xylene	10.640	106	109398	52.252	ug/l	97
70) Styrene	10.652	104	190870	56.585	ug/l	99
71) Bromoform	10.799	173	44049	57.210	ug/l #	99
73) Isopropylbenzene	10.957	105	288563	50.109	ug/l	99
74) N-amyl acetate	10.841	43	137060	52.596	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	101793	51.440	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	83163m	52.446	ug/l	
77) Bromobenzene	11.195	156	67307	51.553	ug/l	97
78) n-propylbenzene	11.299	91	343093	51.617	ug/l	99
79) 2-Chlorotoluene	11.360	91	202917	49.672	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	236833	50.679	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28263	45.849	ug/l	91
82) 4-Chlorotoluene	11.451	91	230524	51.006	ug/l	99
83) tert-Butylbenzene	11.713	119	241761	51.139	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	240466	52.135	ug/l	99
85) sec-Butylbenzene	11.890	105	303826	51.899	ug/l	99
86) p-Isopropyltoluene	12.006	119	250075	53.120	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	123323	51.365	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	125500	51.699	ug/l	99
89) n-Butylbenzene	12.329	91	235160	56.462	ug/l	99
90) Hexachloroethane	12.536	117	44277	50.229	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	123702	52.424	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20415	56.526	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	77977	54.612	ug/l	99
94) Hexachlorobutadiene	13.725	225	29695	52.388	ug/l	99
95) Naphthalene	13.774	128	287168	55.637	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	78904	54.842	ug/l	98

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

