

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031825\
 Data File : VX045337.D
 Acq On : 18 Mar 2025 19:53
 Operator : JC/MD
 Sample : Q1557-05MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPOW6-9-20250312MSD

Quant Time: Mar 19 01:51:00 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 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	82090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149330	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68106	52.158	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	5.385	113	49510	49.583	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.160%			
50) Toluene-d8	8.647	98	175987	48.615	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.220%			
62) 4-Bromofluorobenzene	11.079	95	65049	54.227	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51641	49.976	ug/l	98
3) Chloromethane	1.306	50	61294	48.471	ug/l	97
4) Vinyl Chloride	1.374	62	54906	43.768	ug/l	94
5) Bromomethane	1.593	94	24634	49.953	ug/l	100
6) Chloroethane	1.666	64	30223	52.232	ug/l	90
7) Trichlorofluoromethane	1.873	101	83506	50.284	ug/l	98
8) Diethyl Ether	2.130	74	30844	47.485	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.318	101	53242	55.804	ug/l	99
10) Methyl Iodide	2.447	142	65743	55.139	ug/l	96
11) Tert butyl alcohol	2.983	59	57445	232.259	ug/l	98
12) 1,1-Dichloroethene	2.306	96	51335	50.892	ug/l	98
13) Acrolein	2.233	56	72115	252.231	ug/l	99
14) Allyl chloride	2.654	41	96884	53.958	ug/l	96
15) Acrylonitrile	3.062	53	175331	264.499	ug/l	98
16) Acetone	2.386	43	161021	265.784	ug/l	98
17) Carbon Disulfide	2.501	76	111635	41.552	ug/l	99
18) Methyl Acetate	2.703	43	88530	60.744	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	185592	54.840	ug/l	98
20) Methylene Chloride	2.782	84	62308	51.920	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	51485	51.664	ug/l	98
22) Diisopropyl ether	3.763	45	201474	55.172	ug/l	98
23) Vinyl Acetate	3.721	43	741154	243.210	ug/l	100
24) 1,1-Dichloroethane	3.605	63	110642	54.063	ug/l	100
25) 2-Butanone	4.556	43	251080	275.329	ug/l	100
26) 2,2-Dichloropropane	4.471	77	55408	57.721	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	65964	53.621	ug/l	95
28) Bromochloromethane	4.891	49	51390	52.682	ug/l	99
29) Tetrahydrofuran	5.001	42	158936	259.527	ug/l	100
30) Chloroform	5.086	83	112815	55.479	ug/l	100
31) Cyclohexane	5.458	56	91899	51.730	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	92066	56.057	ug/l	98
36) 1,1-Dichloropropene	5.684	75	72442	52.901	ug/l	99
37) Ethyl Acetate	4.714	43	82487	46.747	ug/l	99
38) Carbon Tetrachloride	5.672	117	75879	54.579	ug/l	96
39) Methylcyclohexane	7.372	83	88435	53.896	ug/l	97
40) Benzene	6.031	78	226668	52.418	ug/l	99

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Reviewed By : John Carlone 03/19/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	55910	58.599	ug/l	98
42) 1,2-Dichloroethane	6.080	62	89507	57.481	ug/l	98
43) Isopropyl Acetate	6.342	43	136780	52.421	ug/l	100
44) Trichloroethene	7.122	130	52769	51.971	ug/l	100
45) 1,2-Dichloropropane	7.427	63	58104	52.261	ug/l	96
46) Dibromomethane	7.574	93	44118	56.142	ug/l	97
47) Bromodichloromethane	7.817	83	87240	56.598	ug/l	98
48) Methyl methacrylate	7.689	41	75237	57.475	ug/l	95
49) 1,4-Dioxane	7.659	88	28589	1035.355	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	511560	291.992	ug/l	99
52) Toluene	8.714	92	139292	54.902	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	71703	55.644	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	82711	55.044	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	58031	55.561	ug/l	99
56) Ethyl methacrylate	9.116	69	94223	59.348	ug/l	95
57) 1,3-Dichloropropane	9.305	76	99400	54.993	ug/l	98
59) 2-Hexanone	9.427	43	379792	299.196	ug/l	98
60) Dibromochloromethane	9.518	129	62615	57.336	ug/l	99
61) 1,2-Dibromoethane	9.610	107	57882	55.513	ug/l	100
64) Tetrachloroethene	9.268	164	43215	50.706	ug/l	98
65) Chlorobenzene	10.079	112	151190	53.694	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	50801	54.175	ug/l	97
67) Ethyl Benzene	10.189	91	269251	54.878	ug/l	98
68) m/p-Xylenes	10.299	106	195714	108.967	ug/l	96
69) o-Xylene	10.640	106	98268	54.248	ug/l	98
70) Styrene	10.652	104	168327	57.429	ug/l	98
71) Bromoform	10.799	173	39843	56.346	ug/l #	98
73) Isopropylbenzene	10.957	105	258465	54.130	ug/l	99
74) N-amyl acetate	10.841	43	115398	51.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	93136	53.154	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77413m	54.369	ug/l	
77) Bromobenzene	11.195	156	59686	52.979	ug/l	95
78) n-propylbenzene	11.299	91	304493	56.452	ug/l	98
79) 2-Chlorotoluene	11.360	91	185955	54.133	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	214628	55.591	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	20554	49.401	ug/l	89
82) 4-Chlorotoluene	11.451	91	210296	56.171	ug/l	99
83) tert-Butylbenzene	11.713	119	219782	55.404	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	219375	56.470	ug/l	98
85) sec-Butylbenzene	11.890	105	273035	57.458	ug/l	99
86) p-Isopropyltoluene	12.006	119	220610	57.448	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	108987	54.228	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	107910	53.071	ug/l	99
89) n-Butylbenzene	12.329	91	195767	59.190	ug/l	99
90) Hexachloroethane	12.536	117	38017	54.732	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	109371	54.249	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19112	55.988	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	63523	55.334	ug/l	100
94) Hexachlorobutadiene	13.725	225	25805	54.828	ug/l	99
95) Naphthalene	13.774	128	244582	55.453	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	65428	54.025	ug/l	98

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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)

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

