

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044890.D
 Acq On : 10 Feb 2025 19:09
 Operator : JC/MD
 Sample : Q1250-08MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-192-GW-360-362MSD

Quant Time: Feb 11 06:10:49 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

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	113791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209107	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	187126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83637	50.211	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.420%			
35) Dibromofluoromethane	5.379	113	68564	50.432	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.860%			
50) Toluene-d8	8.647	98	262105	50.983	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.960%			
62) 4-Bromofluorobenzene	11.079	95	89489	51.634	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	78826	49.391	ug/l	98
3) Chloromethane	1.301	50	95026	48.921	ug/l	99
4) Vinyl Chloride	1.374	62	90123	47.892	ug/l	97
5) Bromomethane	1.593	94	28276	50.214	ug/l	96
6) Chloroethane	1.666	64	37847	52.291	ug/l	100
7) Trichlorofluoromethane	1.868	101	117710	49.463	ug/l	98
8) Diethyl Ether	2.136	74	42019	48.687	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	71305	49.592	ug/l	100
10) Methyl Iodide	2.441	142	95751	51.384	ug/l	98
11) Tert butyl alcohol	2.983	59	73611	238.212	ug/l	100
12) 1,1-Dichloroethene	2.306	96	73604	50.184	ug/l	98
13) Acrolein	2.233	56	83823	262.912	ug/l	99
14) Allyl chloride	2.654	41	132495	49.986	ug/l	99
15) Acrylonitrile	3.062	53	220250	266.950	ug/l	98
16) Acetone	2.386	43	177115	264.499	ug/l	97
17) Carbon Disulfide	2.502	76	198280	49.300	ug/l	99
18) Methyl Acetate	2.703	43	109722	51.925	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	238457	51.100	ug/l	100
20) Methylene Chloride	2.782	84	82466	50.279	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	73300	50.779	ug/l	97
22) Diisopropyl ether	3.757	45	260970	52.041	ug/l	98
23) Vinyl Acetate	3.715	43	1042522	255.003	ug/l	100
24) 1,1-Dichloroethane	3.599	63	143563	51.164	ug/l	98
25) 2-Butanone	4.556	43	297195	273.321	ug/l	98
26) 2,2-Dichloropropane	4.471	77	103076	46.322	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	87985	50.743	ug/l	99
28) Bromochloromethane	4.891	49	70338	52.162	ug/l	99
29) Tetrahydrofuran	5.001	42	190541	263.899	ug/l	99
30) Chloroform	5.086	83	138285	50.818	ug/l	98
31) Cyclohexane	5.458	56	125809	48.635	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	117714	51.000	ug/l	100
36) 1,1-Dichloropropene	5.684	75	97836	49.879	ug/l	100
37) Ethyl Acetate	4.708	43	109948	50.396	ug/l	100
38) Carbon Tetrachloride	5.666	117	97095	50.515	ug/l	97
39) Methylcyclohexane	7.373	83	124496	49.094	ug/l	95
40) Benzene	6.031	78	314426	51.337	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	63424	54.311	ug/l	98
42) 1,2-Dichloroethane	6.080	62	101207	51.847	ug/l	99
43) Isopropyl Acetate	6.336	43	185380	52.618	ug/l	100
44) Trichloroethene	7.123	130	71692	51.210	ug/l	100
45) 1,2-Dichloropropane	7.428	63	78085	51.245	ug/l	99
46) Dibromomethane	7.580	93	54189	51.280	ug/l	99
47) Bromodichloromethane	7.818	83	107116	52.350	ug/l	100
48) Methyl methacrylate	7.690	41	89624	53.952	ug/l	99
49) 1,4-Dioxane	7.665	88	32411	909.384	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	601637	280.896	ug/l	100
52) Toluene	8.714	92	189112	51.845	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	107202	51.774	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	121253	52.522	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	73710	52.567	ug/l	98
56) Ethyl methacrylate	9.116	69	125529	55.428	ug/l	99
57) 1,3-Dichloropropane	9.305	76	128784	52.491	ug/l	100
59) 2-Hexanone	9.427	43	439312	284.672	ug/l	99
60) Dibromochloromethane	9.519	129	79194	52.810	ug/l	99
61) 1,2-Dibromoethane	9.604	107	75331	53.005	ug/l	99
64) Tetrachloroethene	9.269	164	57220	48.487	ug/l	99
65) Chlorobenzene	10.073	112	203096	50.532	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	65857	50.908	ug/l	99
67) Ethyl Benzene	10.189	91	357538	50.410	ug/l	98
68) m/p-Xylenes	10.299	106	269804	103.122	ug/l	98
69) o-Xylene	10.640	106	132356	50.416	ug/l	99
70) Styrene	10.653	104	222298	52.558	ug/l	100
71) Bromoform	10.799	173	51369	53.207	ug/l #	100
73) Isopropylbenzene	10.957	105	338076	50.586	ug/l	100
74) N-amyl acetate	10.842	43	160948	53.219	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	116145	50.574	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	95889m	52.106	ug/l	
77) Bromobenzene	11.195	156	77264	50.993	ug/l	98
78) n-propylbenzene	11.299	91	393286	50.983	ug/l	100
79) 2-Chlorotoluene	11.360	91	235674	49.710	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	275124	50.729	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	35443	49.543	ug/l	98
82) 4-Chlorotoluene	11.451	91	265431	50.605	ug/l	99
83) tert-Butylbenzene	11.713	119	275996	50.304	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	278162	51.965	ug/l	100
85) sec-Butylbenzene	11.890	105	342516	50.415	ug/l	99
86) p-Isopropyltoluene	12.006	119	275690	50.460	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	139069	49.911	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	138481	49.155	ug/l	100
89) n-Butylbenzene	12.329	91	245231	50.735	ug/l	99
90) Hexachloroethane	12.536	117	49761	48.641	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	141511	51.675	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22744	54.263	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	79208	47.800	ug/l	98
94) Hexachlorobutadiene	13.719	225	28426	43.212	ug/l	98
95) Naphthalene	13.774	128	315005	52.588	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	84666	50.706	ug/l	98

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

