

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032625\
 Data File : VX045468.D
 Acq On : 26 Mar 2025 14:29
 Operator : JC/MD
 Sample : Q1629-05MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT188S1-20250320MSD

Quant Time: Mar 27 01:39:32 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 03/28/2025
 Supervised By : Mahesh Dadoda 03/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	78228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141777	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70110	56.344	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.680%			
35) Dibromofluoromethane	5.379	113	50243	52.997	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.000%			
50) Toluene-d8	8.647	98	172507	50.192	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.380%			
62) 4-Bromofluorobenzene	11.079	95	65522	57.531	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	63976	64.970	ug/l	96
3) Chloromethane	1.307	50	66586	55.255	ug/l	98
4) Vinyl Chloride	1.374	62	62230	52.056	ug/l	98
5) Bromomethane	1.593	94	28172	59.947	ug/l	98
6) Chloroethane	1.660	64	30146	54.671	ug/l	97
7) Trichlorofluoromethane	1.868	101	90306	57.064	ug/l	98
8) Diethyl Ether	2.136	74	30648	49.512	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.313	101	57678	63.438	ug/l	98
10) Methyl Iodide	2.441	142	71045	62.527	ug/l	95
11) Tert butyl alcohol	2.989	59	65545	278.091	ug/l	98
12) 1,1-Dichloroethene	2.307	96	54875	57.087	ug/l	90
13) Acrolein	2.239	56	68260	250.534	ug/l	99
14) Allyl chloride	2.654	41	104862	61.284	ug/l	94
15) Acrylonitrile	3.062	53	182139	288.335	ug/l	98
16) Acetone	2.386	43	174752	302.689	ug/l	95
17) Carbon Disulfide	2.502	76	134555	52.555	ug/l	97
18) Methyl Acetate	2.703	43	71126	51.211	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	188109	58.328	ug/l	99
20) Methylene Chloride	2.782	84	62947	55.042	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	54567	57.460	ug/l	94
22) Diisopropyl ether	3.764	45	202733	58.258	ug/l	94
23) Vinyl Acetate	3.721	43	846377	291.450	ug/l	99
24) 1,1-Dichloroethane	3.605	63	112537	57.703	ug/l	100
25) 2-Butanone	4.562	43	265671	305.711	ug/l	98
26) 2,2-Dichloropropane	4.471	77	75408	82.434	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	66711	56.906	ug/l	93
28) Bromochloromethane	4.898	49	46062	49.551	ug/l	98
29) Tetrahydrofuran	5.007	42	168372	288.508	ug/l	99
30) Chloroform	5.087	83	115410	59.557	ug/l	98
31) Cyclohexane	5.458	56	98225	58.020	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	97027	61.995	ug/l	97
36) 1,1-Dichloropropene	5.690	75	74241	57.103	ug/l	99
37) Ethyl Acetate	4.715	43	92572	55.257	ug/l	98
38) Carbon Tetrachloride	5.672	117	80831	61.239	ug/l	97
39) Methylcyclohexane	7.373	83	95012	60.989	ug/l	96
40) Benzene	6.031	78	231971	56.503	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	56406	62.268	ug/l	98
42) 1,2-Dichloroethane	6.086	62	95787	64.791	ug/l	96
43) Isopropyl Acetate	6.342	43	146559	59.161	ug/l	99
44) Trichloroethene	7.123	130	58258	60.433	ug/l	98
45) 1,2-Dichloropropane	7.428	63	59906	56.753	ug/l	99
46) Dibromomethane	7.580	93	45521	61.013	ug/l	96
47) Bromodichloromethane	7.818	83	89304	61.024	ug/l	99
48) Methyl methacrylate	7.690	41	80811	65.022	ug/l	94
49) 1,4-Dioxane	7.659	88	32939	1256.441	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	525454	315.900	ug/l	99
52) Toluene	8.714	92	142393	59.114	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	79170	64.712	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	89949	63.050	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	57314	57.798	ug/l	97
56) Ethyl methacrylate	9.116	69	96679	64.139	ug/l	93
57) 1,3-Dichloropropane	9.305	76	101131	58.931	ug/l	100
59) 2-Hexanone	9.433	43	392557	325.728	ug/l	98
60) Dibromochloromethane	9.519	129	63988	61.714	ug/l	99
61) 1,2-Dibromoethane	9.610	107	58855	59.453	ug/l	99
64) Tetrachloroethene	9.269	164	45897	56.686	ug/l	97
65) Chlorobenzene	10.079	112	156019	58.324	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	52764	59.230	ug/l	96
67) Ethyl Benzene	10.189	91	278593	59.770	ug/l	97
68) m/p-Xylenes	10.299	106	202838	118.876	ug/l	94
69) o-Xylene	10.640	106	101021	58.702	ug/l	96
70) Styrene	10.653	104	169533	60.884	ug/l	97
71) Bromoform	10.799	173	40637	60.492	ug/l #	100
73) Isopropylbenzene	10.957	105	265519	58.007	ug/l	98
74) N-amyl acetate	10.842	43	124302	57.873	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	92728	55.205	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	76738m	56.221	ug/l	
77) Bromobenzene	11.195	156	59315	54.922	ug/l	94
78) n-propylbenzene	11.305	91	309849	59.924	ug/l	98
79) 2-Chlorotoluene	11.360	91	188852	57.349	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	222054	59.996	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	23021	57.718	ug/l	86
82) 4-Chlorotoluene	11.451	91	213558	59.504	ug/l	98
83) tert-Butylbenzene	11.713	119	219401	57.694	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	221950	59.599	ug/l	98
85) sec-Butylbenzene	11.890	105	273244	59.984	ug/l	98
86) p-Isopropyltoluene	12.006	119	221416	60.146	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	107816	55.961	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	106898	54.842	ug/l	98
89) n-Butylbenzene	12.329	91	196457	61.962	ug/l	99
90) Hexachloroethane	12.536	117	38979	58.539	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	109816	56.821	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21122	64.546	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	61430	55.821	ug/l	99
94) Hexachlorobutadiene	13.725	225	25376	56.244	ug/l	98
95) Naphthalene	13.774	128	238208	56.338	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63386	54.598	ug/l	98

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

