

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045208.D
 Acq On : 10 Mar 2025 19:54
 Operator : JC/MD
 Sample : Q1531-09MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20250306MSD

Quant Time: Mar 11 04:03:40 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 03/11/2025
 Supervised By : Mahesh Dadoda 03/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	82324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	72120	55.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.160%			
35) Dibromofluoromethane	5.379	113	54092	53.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	8.647	98	196669	53.768	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.540%			
62) 4-Bromofluorobenzene	11.079	95	69061	56.978	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	54342	52.440	ug/l	95
3) Chloromethane	1.307	50	64275	50.684	ug/l	98
4) Vinyl Chloride	1.374	62	61906	49.208	ug/l	97
5) Bromomethane	1.593	94	25552	51.667	ug/l	98
6) Chloroethane	1.666	64	32122	55.356	ug/l	99
7) Trichlorofluoromethane	1.874	101	89034	53.461	ug/l	98
8) Diethyl Ether	2.130	74	32785	50.329	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62391	65.207	ug/l	99
10) Methyl Iodide	2.441	142	68302	57.122	ug/l	98
11) Tert butyl alcohol	2.977	59	55632	224.289	ug/l	96
12) 1,1-Dichloroethene	2.307	96	55559	54.922	ug/l	96
13) Acrolein	2.233	56	71022	247.702	ug/l	99
14) Allyl chloride	2.654	41	100463	55.792	ug/l	98
15) Acrylonitrile	3.062	53	183761	276.429	ug/l	99
16) Acetone	2.386	43	160046	263.424	ug/l	99
17) Carbon Disulfide	2.502	76	130783	48.540	ug/l	98
18) Methyl Acetate	2.703	43	82996	56.785	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	184455	54.350	ug/l	100
20) Methylene Chloride	2.782	84	63783	52.998	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	54596	54.630	ug/l	98
22) Diisopropyl ether	3.757	45	205256	56.048	ug/l	92
23) Vinyl Acetate	3.721	43	796399	260.595	ug/l	100
24) 1,1-Dichloroethane	3.605	63	113499	55.301	ug/l	100
25) 2-Butanone	4.556	43	256332	280.289	ug/l	99
26) 2,2-Dichloropropane	4.471	77	61323	63.701	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	67817	54.971	ug/l	96
28) Bromochloromethane	4.898	49	52950	54.127	ug/l	100
29) Tetrahydrofuran	5.001	42	165573	269.596	ug/l	99
30) Chloroform	5.087	83	112367	55.102	ug/l	98
31) Cyclohexane	5.465	56	96342	54.077	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	91355	55.466	ug/l	99
36) 1,1-Dichloropropene	5.684	75	73923	53.426	ug/l	100
37) Ethyl Acetate	4.715	43	87968	49.339	ug/l	99
38) Carbon Tetrachloride	5.672	117	74929	53.340	ug/l	97
39) Methylcyclohexane	7.379	83	93071	56.136	ug/l	97
40) Benzene	6.031	78	234989	53.782	ug/l	99

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41) Methacrylonitrile	4.922	41	54327	56.352	ug/l	98
42) 1,2-Dichloroethane	6.080	62	87106	55.362	ug/l	98
43) Isopropyl Acetate	6.336	43	141323	53.603	ug/l	99
44) Trichloroethene	7.123	130	635964	619.879	ug/l	99
45) 1,2-Dichloropropane	7.428	63	59607	53.060	ug/l	97
46) Dibromomethane	7.580	93	43211	54.420	ug/l	98
47) Bromodichloromethane	7.818	83	85158	54.678	ug/l	98
48) Methyl methacrylate	7.690	41	74016	55.959	ug/l	98
49) 1,4-Dioxane	7.659	88	27328	979.476	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	501286	283.175	ug/l	100
52) Toluene	8.714	92	140714	54.890	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	77025	59.157	ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	85937	56.601	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	57008	54.018	ug/l	96
56) Ethyl methacrylate	9.116	69	92772	57.831	ug/l	97
57) 1,3-Dichloropropane	9.305	76	99987	54.746	ug/l	99
59) 2-Hexanone	9.427	43	367461	286.495	ug/l	100
60) Dibromochloromethane	9.519	129	61809	56.014	ug/l	100
61) 1,2-Dibromoethane	9.610	107	58684	55.701	ug/l	98
64) Tetrachloroethene	9.269	164	51817	60.316	ug/l	97
65) Chlorobenzene	10.073	112	152707	53.802	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	50862	53.810	ug/l	98
67) Ethyl Benzene	10.189	91	274449	55.494	ug/l	99
68) m/p-Xylenes	10.299	106	202650	111.933	ug/l	99
69) o-Xylene	10.640	106	99539	54.513	ug/l	98
70) Styrene	10.653	104	167268	56.614	ug/l	99
71) Bromoform	10.799	173	39333	55.183	ug/l #	99
73) Isopropylbenzene	10.957	105	260561	55.446	ug/l	100
74) N-amyl acetate	10.842	43	115274	52.277	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90506	52.483	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75103m	53.594	ug/l	
77) Bromobenzene	11.195	156	59565	53.722	ug/l	98
78) n-propylbenzene	11.305	91	306057	57.654	ug/l	99
79) 2-Chlorotoluene	11.360	91	181881	53.798	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	213878	56.287	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	21929	53.553	ug/l	94
82) 4-Chlorotoluene	11.451	91	207473	56.308	ug/l	99
83) tert-Butylbenzene	11.713	119	215005	55.071	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	215578	56.385	ug/l	100
85) sec-Butylbenzene	11.890	105	269426	57.611	ug/l	100
86) p-Isopropyltoluene	12.006	119	218707	57.868	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	106784	53.986	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	105914	52.927	ug/l	99
89) n-Butylbenzene	12.329	91	192782	59.224	ug/l	99
90) Hexachloroethane	12.536	117	37700	55.149	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	107064	53.958	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18501	55.069	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	61985	54.863	ug/l	100
94) Hexachlorobutadiene	13.725	225	24932	53.825	ug/l	98
95) Naphthalene	13.774	128	236595	54.504	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	64673	54.261	ug/l	99

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

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