

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045454.D
 Acq On : 25 Mar 2025 20:37
 Operator : JC/MD
 Sample : Q1608-13MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20250318MSD

Quant Time: Mar 26 01:46:39 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 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	80493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72075	56.293	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.580%			
35) Dibromofluoromethane	5.379	113	51224	52.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.980%			
50) Toluene-d8	8.646	98	176887	50.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.079	95	65839	56.695	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 113.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	63285	62.460	ug/l	98
3) Chloromethane	1.300	50	64830	52.284	ug/l	99
4) Vinyl Chloride	1.373	62	59303	48.211	ug/l	94
5) Bromomethane	1.593	94	27420	56.705	ug/l	99
6) Chloroethane	1.666	64	30511	53.776	ug/l	98
7) Trichlorofluoromethane	1.873	101	87332	53.631	ug/l	99
8) Diethyl Ether	2.129	74	29565	46.419	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	57563	61.530	ug/l	99
10) Methyl Iodide	2.446	142	66707	57.057	ug/l	94
11) Tert butyl alcohol	2.983	59	55999	230.904	ug/l	97
12) 1,1-Dichloroethene	2.306	96	52305	52.882	ug/l	90
13) Acrolein	2.233	56	77890	277.835	ug/l	100
14) Allyl chloride	2.654	41	98868	56.155	ug/l	94
15) Acrylonitrile	3.062	53	170104	261.705	ug/l	99
16) Acetone	2.385	43	156806	263.962	ug/l	97
17) Carbon Disulfide	2.501	76	129306	49.084	ug/l	97
18) Methyl Acetate	2.702	43	66573	46.584	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	182043	54.859	ug/l	97
20) Methylene Chloride	2.782	84	60500	51.413	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	52589	53.819	ug/l	97
22) Diisopropyl ether	3.757	45	195179	54.509	ug/l #	87
23) Vinyl Acetate	3.714	43	831269	278.193	ug/l	99
24) 1,1-Dichloroethane	3.605	63	107944	53.791	ug/l	100
25) 2-Butanone	4.556	43	244215	273.114	ug/l	97
26) 2,2-Dichloropropane	4.470	77	63478	67.439	ug/l	96
27) cis-1,2-Dichloroethene	4.476	96	66198	54.879	ug/l	94
28) Bromochloromethane	4.891	49	47249	49.398	ug/l	100
29) Tetrahydrofuran	5.001	42	154668	257.569	ug/l	99
30) Chloroform	5.086	83	114418	57.384	ug/l	97
31) Cyclohexane	5.458	56	96420	55.352	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	92807	57.630	ug/l	98
36) 1,1-Dichloropropene	5.684	75	72172	54.441	ug/l	100
37) Ethyl Acetate	4.708	43	87894	51.453	ug/l	99
38) Carbon Tetrachloride	5.671	117	78156	58.070	ug/l	95
39) Methylcyclohexane	7.372	83	92006	57.921	ug/l	96
40) Benzene	6.031	78	223694	53.436	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	51618	55.883	ug/l	98
42) 1,2-Dichloroethane	6.080	62	91723	60.846	ug/l	97
43) Isopropyl Acetate	6.342	43	139900	55.384	ug/l	99
44) Trichloroethene	7.122	130	182090	185.246	ug/l	98
45) 1,2-Dichloropropane	7.427	63	56754	52.730	ug/l	98
46) Dibromomethane	7.580	93	42457	55.809	ug/l	97
47) Bromodichloromethane	7.817	83	85131	57.051	ug/l	100
48) Methyl methacrylate	7.689	41	74476	58.769	ug/l	93
49) 1,4-Dioxane	7.659	88	25440	951.681	ug/l	93
51) 4-Methyl-2-Pentanone	8.573	43	482778	284.646	ug/l	99
52) Toluene	8.714	92	137053	55.800	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	73337	58.788	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	83300	57.263	ug/l	93
55) 1,1,2-Trichloroethane	9.146	97	55071	54.465	ug/l	98
56) Ethyl methacrylate	9.116	69	89821	58.440	ug/l	92
57) 1,3-Dichloropropane	9.305	76	96907	55.380	ug/l	100
59) 2-Hexanone	9.427	43	359074	292.199	ug/l	97
60) Dibromochloromethane	9.518	129	60687	57.402	ug/l	100
61) 1,2-Dibromoethane	9.604	107	55964	55.442	ug/l	100
64) Tetrachloroethene	9.268	164	49262	59.734	ug/l	98
65) Chlorobenzene	10.073	112	148540	54.517	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	49482	54.533	ug/l	97
67) Ethyl Benzene	10.189	91	269267	56.717	ug/l	99
68) m/p-Xylenes	10.299	106	194318	111.808	ug/l	94
69) o-Xylene	10.640	106	95373	54.410	ug/l	95
70) Styrene	10.652	104	161039	56.780	ug/l	97
71) Bromoform	10.799	173	37117	54.246	ug/l #	99
73) Isopropylbenzene	10.957	105	254922	55.365	ug/l	98
74) N-amyl acetate	10.841	43	118252	54.733	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	85900	50.839	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	72621m	52.891	ug/l	
77) Bromobenzene	11.195	156	56308	51.831	ug/l	92
78) n-propylbenzene	11.298	91	298852	57.457	ug/l	98
79) 2-Chlorotoluene	11.359	91	180454	54.476	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	207948	55.855	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	20244	50.457	ug/l #	83
82) 4-Chlorotoluene	11.451	91	202603	56.120	ug/l	99
83) tert-Butylbenzene	11.713	119	207511	54.247	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	210227	56.119	ug/l	98
85) sec-Butylbenzene	11.890	105	256982	56.082	ug/l	99
86) p-Isopropyltoluene	12.006	119	212455	57.372	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	101086	52.159	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	100948	51.485	ug/l	98
89) n-Butylbenzene	12.329	91	184374	57.809	ug/l	99
90) Hexachloroethane	12.536	117	36429	54.388	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	104063	53.527	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	18808	57.137	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	57410	51.861	ug/l	100
94) Hexachlorobutadiene	13.725	225	23639	52.086	ug/l	99
95) Naphthalene	13.774	128	219719	51.660	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	59607	51.041	ug/l	99

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

