

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012425\
 Data File : VU063004.D
 Acq On : 24 Jan 2025 19:44
 Operator : MD/SY
 Sample : Q1174-16MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E2944MSD

Quant Time: Jan 24 20:37:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 24 19:02:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	86229	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	79154	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	43739	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	14802	3.099	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.000%
7) Chloroethane-d5	1.904	69	11795	3.070	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.400%#
11) 1,1-Dichloroethene-d2	2.557	65	9534	3.854	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.000%
20) 2-Butanone-d5	4.605	46	44142	45.225	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.440%
24) Chloroform-d	5.049	84	53701	4.570	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	5.688	65	29325	4.601	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	5.714	84	81355	4.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.676	67	22445	4.184	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.600%
41) Toluene-d8	7.885	98	83667	4.438	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	8.171	79	11707	4.378	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.618	63	36450	43.339	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.680%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	20933	4.659	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	12.180	152	32796	4.507	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	33750	4.109	ug/L	99
3) Chloromethane	1.518	50	18573	3.369	ug/L	97
5) Vinyl chloride	1.599	62	20967	3.378	ug/L	88
6) Bromomethane	1.843	94	8368	1.853	ug/L	85
8) Chloroethane	1.923	64	12582	3.374	ug/L	98
9) Trichlorofluoromethane	2.129	101	52308	4.177	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	25509	4.216	ug/L	94
12) 1,1-Dichloroethene	2.570	96	22949	4.287	ug/L	91
13) Acetone	2.611	43	34168	44.190	ug/L	98
14) Carbon disulfide	2.782	76	65591	3.836	ug/L	98
15) Methyl Acetate	2.939	43	7254	4.333	ug/L	95
16) Methylene chloride	3.033	84	25609	4.367	ug/L	99
17) Methyl tert-butyl Ether	3.348	73	73031	4.964	ug/L	98
18) trans-1,2-Dichloroethene	3.341	96	25921	4.520	ug/L	97
19) 1,1-Dichloroethane	3.853	63	46586	4.543	ug/L	93
21) 2-Butanone	4.685	43	49974	48.529	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	29817	4.774	ug/L	99
23) Bromochloromethane	4.962	128	14817	5.026	ug/L	93
25) Chloroform	5.071	83	58552	4.640	ug/L	98

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

27) 1,2-Dichloroethane	5.782	62	41469	5.026	ug/L #	96
29) 1,1,1-Trichloroethane	5.303	97	60225	5.016	ug/L	99
30) Cyclohexane	5.373	56	31292	3.991	ug/L	88
31) Carbon tetrachloride	5.512	117	54776	4.964	ug/L	99
33) Benzene	5.759	78	104503	4.595	ug/L	100
34) Trichloroethene	6.531	95	31957	4.114	ug/L	97
35) Methylcyclohexane	6.750	83	40395	4.226	ug/L	94
37) 1,2-Dichloropropane	6.778	63	24128	4.497	ug/L	97
38) Bromodichloromethane	7.094	83	43602	5.054	ug/L	95
39) cis-1,3-Dichloropropene	7.595	75	41636	4.558	ug/L	97
40) 4-Methyl-2-pentanone	7.775	43	124746	49.778	ug/L	97
42) Toluene	7.958	91	118356	4.750	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	37498	4.762	ug/L	97
45) 1,1,2-Trichloroethane	8.389	97	22347	5.129	ug/L	94
47) Tetrachloroethene	8.544	164	26459	4.945	ug/L	92
48) 2-Hexanone	8.669	43	80434	44.645	ug/L	97
49) Dibromochloromethane	8.798	129	31058	5.309	ug/L	100
50) 1,2-Dibromoethane	8.910	107	21781	5.225	ug/L #	99
51) Chlorobenzene	9.434	112	80134	4.917	ug/L	98
52) Ethylbenzene	9.560	91	136019	4.810	ug/L	98
53) m,p-Xylene	9.682	106	52183	4.934	ug/L	96
54) o-Xylene	10.090	106	51243	5.058	ug/L	99
55) Styrene	10.103	104	82544	4.871	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	25036	5.122	ug/L #	90
59) Bromoform	10.280	173	19164	5.023	ug/L	98
60) Isopropylbenzene	10.473	105	143867	4.773	ug/L	99
61) 1,2,3-Trichloropropane	10.810	75	19383	4.996	ug/L	98
62) 1,3,5-Trimethylbenzene	11.077	105	121559	4.745	ug/L	98
63) 1,2,4-Trimethylbenzene	11.457	105	117854	4.756	ug/L	99
64) 1,3-Dichlorobenzene	11.733	146	68022	4.868	ug/L	97
65) 1,4-Dichlorobenzene	11.826	146	66472	4.717	ug/L	98
67) 1,2-Dichlorobenzene	12.199	146	64118	4.896	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	4892	4.868	ug/L	88
69) 1,3,5-Trichlorobenzene	13.209	180	51352	4.880	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	41861	4.939	ug/L	98
71) Naphthalene	14.077	128	61427	4.953	ug/L	99
72) 1,2,3-Trichlorobenzene	14.318	180	36352	4.920	ug/L	98

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

