

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011625\
 Data File : VU062831.D
 Acq On : 16 Jan 2025 19:48
 Operator : MD/SY
 Sample : Q1072-05MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ87MSD

Quant Time: Jan 16 22:10:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 22:02:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	96436	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.405	117	89544	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	47728	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	22320	4.179	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.901	69	19247	4.480	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.554	65	11683	4.222	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.605	46	53147	48.687	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.380%
24) Chloroform-d	5.052	84	62539	4.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.689	65	34289	4.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	5.714	84	102101	4.665	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.679	67	27641	4.555	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.888	98	100629	4.719	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.171	79	14540	4.806	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.621	63	45575	47.901	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.800%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	24655	4.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.183	152	37937	4.778	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.600%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	44290	4.821	ug/L	99
3) Chloromethane	1.518	50	25923	4.205	ug/L	97
5) Vinyl chloride	1.599	62	30186	4.348	ug/L	95
6) Bromomethane	1.843	94	13007	2.575	ug/L	94
8) Chloroethane	1.923	64	20607	4.941	ug/L	99
9) Trichlorofluoromethane	2.129	101	69957	4.995	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	33029	4.882	ug/L	98
12) 1,1-Dichloroethene	2.570	96	29670	4.956	ug/L	95
13) Acetone	2.611	43	43041	49.773	ug/L	100
14) Carbon disulfide	2.782	76	83710	4.378	ug/L	97
15) Methyl Acetate	2.939	43	8788	4.694	ug/L	97
16) Methylene chloride	3.029	84	31943	4.871	ug/L	100
17) Methyl tert-butyl Ether	3.348	73	85562	5.200	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	30552	4.764	ug/L	95
19) 1,1-Dichloroethane	3.853	63	57819	5.042	ug/L	99
21) 2-Butanone	4.685	43	60141	52.221	ug/L	99
22) cis-1,2-Dichloroethene	4.653	96	37450	5.362	ug/L	97
23) Bromochloromethane	4.959	128	16672	5.056	ug/L	94
25) Chloroform	5.074	83	68858	4.879	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	46989	5.092	ug/L	98
29) 1,1,1-Trichloroethane	5.299	97	68780	5.064	ug/L	99
30) Cyclohexane	5.373	56	40462	4.562	ug/L	92
31) Carbon tetrachloride	5.512	117	63223	5.065	ug/L	98
33) Benzene	5.759	78	125971	4.896	ug/L	100
34) Trichloroethene	6.531	95	37997	4.324	ug/L	97
35) Methylcyclohexane	6.750	83	49965	4.620	ug/L	97
37) 1,2-Dichloropropane	6.778	63	30077	4.956	ug/L	99
38) Bromodichloromethane	7.090	83	50237	5.147	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	52418	5.073	ug/L	98
40) 4-Methyl-2-pentanone	7.775	43	148341	52.325	ug/L	99
42) Toluene	7.958	91	140923	4.999	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	48089	5.399	ug/L	98
45) 1,1,2-Trichloroethane	8.386	97	26893	5.456	ug/L	90
47) Tetrachloroethene	8.544	164	31000	5.121	ug/L	91
48) 2-Hexanone	8.669	43	102978	50.525	ug/L	98
49) Dibromochloromethane	8.798	129	35897	5.424	ug/L	98
50) 1,2-Dibromoethane	8.913	107	25580	5.424	ug/L	100
51) Chlorobenzene	9.434	112	95011	5.154	ug/L	98
52) Ethylbenzene	9.560	91	162251	5.072	ug/L	99
53) m,p-Xylene	9.682	106	60961	5.095	ug/L	100
54) o-Xylene	10.090	106	60464	5.276	ug/L	99
55) Styrene	10.103	104	99934	5.213	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.769	83	29781	5.386	ug/L	97
59) Bromoform	10.280	173	22227	5.339	ug/L	97
60) Isopropylbenzene	10.473	105	166627	5.066	ug/L	99
61) 1,2,3-Trichloropropane	10.810	75	22002	5.197	ug/L	97
62) 1,3,5-Trimethylbenzene	11.077	105	143556	5.135	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	138351	5.116	ug/L	100
64) 1,3-Dichlorobenzene	11.736	146	77625	5.091	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	78017	5.074	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	73220	5.124	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	5692	5.190	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.209	180	56650	4.933	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	41783	4.518	ug/L	99
71) Naphthalene	14.080	128	62894	4.647	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	36955	4.584	ug/L	97

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

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