

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011525\
 Data File : VU062802.D
 Acq On : 16 Jan 2025 06:33
 Operator : MD/SY
 Sample : Q1071-13MSD
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCQ77MSD

Quant Time: Jan 16 07:01:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR010225WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 01:55:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	97605	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	91684	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	48603	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	16746	3.098	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.000%
7) Chloroethane-d5	1.901	69	16236	3.734	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.557	65	9502	3.393	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.800%
20) 2-Butanone-d5	4.608	46	63785	57.733	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.460%
24) Chloroform-d	5.049	84	58892	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	5.689	65	33398	4.630	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.714	84	91126	4.066	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.679	67	27434	4.415	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.888	98	87170	3.992	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	8.171	79	13813	4.459	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.200%
46) 2-Hexanone-d5	8.618	63	49941	51.265	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.520%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	27823	5.346	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	12.184	152	37124	4.591	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	43762	4.706	ug/L	100
3) Chloromethane	1.515	50	28052	4.495	ug/L	98
5) Vinyl chloride	1.599	62	77326	11.005	ug/L	97
6) Bromomethane	1.843	94	15591	3.050	ug/L	98
8) Chloroethane	1.924	64	175422	41.555	ug/L	97
9) Trichlorofluoromethane	2.129	101	68615	4.841	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	34577	5.049	ug/L	93
12) 1,1-Dichloroethene	2.570	96	1213819	200.330	ug/L #	73
13) Acetone	2.612	43	42820	48.925	ug/L	93
14) Carbon disulfide	2.782	76	86297	4.459	ug/L	99
15) Methyl Acetate	2.940	43	5312	2.803	ug/L	97
16) Methylene chloride	3.033	84	31232	4.706	ug/L	95
17) Methyl tert-butyl Ether	3.348	73	84467	5.072	ug/L	99
18) trans-1,2-Dichloroethene	3.342	96	113242	17.445	ug/L	97
19) 1,1-Dichloroethane	3.853	63	709240	61.108	ug/L	96
21) 2-Butanone	4.682	43	63322	54.325	ug/L #	1
22) cis-1,2-Dichloroethene	4.647	96	3153706	446.119	ug/L	98
23) Bromochloromethane	4.962	128	16928	5.073	ug/L	96
25) Chloroform	5.075	83	69408	4.859	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	157070	16.817	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	67971	4.888	ug/L	98
30) Cyclohexane	5.374	56	43431	4.782	ug/L	94
31) Carbon tetrachloride	5.512	117	63082	4.936	ug/L	97
33) Benzene	5.759	78	138329	5.251	ug/L	100
34) Trichloroethene	6.528	95	87019	9.670	ug/L	97
35) Methylcyclohexane	6.753	83	50077	4.523	ug/L	99
37) 1,2-Dichloropropane	6.775	63	29993	4.827	ug/L	100
38) Bromodichloromethane	7.094	83	49982	5.002	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	48215	4.557	ug/L	97
40) 4-Methyl-2-pentanone	7.775	43	156869	54.042	ug/L	99
42) Toluene	7.959	91	144018	4.989	ug/L	98
44) trans-1,3-Dichloropropene	8.200	75	42616	4.672	ug/L	96
45) 1,1,2-Trichloroethane	8.386	97	26337	5.219	ug/L	94
47) Tetrachloroethene	8.544	164	28922	4.667	ug/L	98
48) 2-Hexanone	8.669	43	114261	54.753	ug/L	98
49) Dibromochloromethane	8.798	129	35184	5.192	ug/L	98
50) 1,2-Dibromoethane	8.910	107	26131	5.412	ug/L #	99
51) Chlorobenzene	9.435	112	91965	4.872	ug/L	98
52) Ethylbenzene	9.560	91	162442	4.959	ug/L	98
53) m,p-Xylene	9.682	106	59740	4.877	ug/L	97
54) o-Xylene	10.090	106	58342	4.972	ug/L	99
55) Styrene	10.103	104	99147	5.051	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.769	83	30390	5.368	ug/L #	95
59) Bromoform	10.280	173	22008	5.191	ug/L	96
60) Isopropylbenzene	10.473	105	163978	4.896	ug/L	99
61) 1,2,3-Trichloropropane	10.811	75	22716	5.269	ug/L	99
62) 1,3,5-Trimethylbenzene	11.078	105	138729	4.873	ug/L	99
63) 1,2,4-Trimethylbenzene	11.457	105	132849	4.824	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	77427	4.986	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	75734	4.837	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	73031	5.018	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	5909	5.291	ug/L	96
69) 1,3,5-Trichlorobenzene	13.209	180	51341	4.390	ug/L	98
70) 1,2,4-trichlorobenzene	13.830	180	39442	4.188	ug/L	96
71) Naphthalene	14.081	128	57290	4.157	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	34849	4.245	ug/L	93

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

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