

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055889.D
 Acq On : 25 Oct 2023 19:10
 Operator : MD/SY
 Sample : 04952-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EOAR8MSD

Quant Time: Oct 26 01:56:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	577054	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	588360	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	331084	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	233281	45.070	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.140%
7) Chloroethane-d5	1.894	69	189532	44.797	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.563	63	410003	44.425	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.860%
21) 2-Butanone-d5	4.611	46	276092	71.987	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.990%
24) Chloroform-d	5.058	84	438889	44.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.460%
26) 1,2-Dichloroethane-d4	5.695	65	269221	44.079	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.160%
32) Benzene-d6	5.721	84	885394	47.033	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.060%
36) 1,2-Dichloropropane-d6	6.685	67	270661	45.416	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.840%
41) Toluene-d8	7.894	98	808602	47.570	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.140%
43) trans-1,3-Dichloroprop...	8.174	79	133050	46.476	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.960%
47) 2-Hexanone-d5	8.631	63	249556	106.518	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.520%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	436200	47.551	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.100%
66) 1,2-Dichlorobenzene-d4	12.190	152	334378	50.893	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	195325	40.652	ug/L	100
3) Chloromethane	1.518	50	208708	45.906	ug/L	98
5) Vinyl chloride	1.605	62	224313	44.833	ug/L	98
6) Bromomethane	1.830	94	105646	33.030	ug/L	97
8) Chloroethane	1.917	64	142514	43.424	ug/L	97
9) Trichlorofluoromethane	2.129	101	317117	44.361	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	199915	43.485	ug/L	97
12) 1,1-Dichloroethene	2.573	96	193188	47.223	ug/L	95
13) Acetone	2.618	43	166293	46.723	ug/L	96
14) Carbon disulfide	2.788	76	514581	41.333	ug/L	98
15) Methyl Acetate	2.939	43	205329	37.670	ug/L	96
16) Methylene chloride	3.039	84	235216	47.412	ug/L	93
17) trans-1,2-Dichloroethene	3.348	96	197538	47.221	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	687960	51.137	ug/L	98
19) 1,1-Dichloroethane	3.862	63	398347	46.434	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	239120	50.084	ug/L	98
22) 2-Butanone	4.692	43	281428	65.603	ug/L	100
23) Bromochloromethane	4.968	128	119683	48.404	ug/L	94
25) Chloroform	5.081	83	425098	47.435	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	322325	44.970	ug/L	98
29) Cyclohexane	5.383	56	328812	48.757	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	361410	47.545	ug/L	97
31) Carbon tetrachloride	5.518	117	304855	45.819	ug/L	98
33) Benzene	5.769	78	899417	48.360	ug/L	100
34) Trichloroethene	6.537	95	234900	46.159	ug/L	99
35) Methylcyclohexane	6.759	83	333981	45.234	ug/L	98
37) 1,2-Dichloropropane	6.785	63	242330	47.317	ug/L	99
38) Bromodichloromethane	7.100	83	315778	46.756	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	363280	46.625	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	625916	87.851	ug/L	95
42) Toluene	7.965	91	971231	49.490	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	359930	48.281	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	243236	48.166	ug/L	98
46) Tetrachloroethene	8.550	164	173400	47.592	ug/L	99
48) 2-Hexanone	8.682	43	501795	83.382	ug/L	96
49) Dibromochloromethane	8.804	129	251487	48.739	ug/L	99
50) 1,2-Dibromoethane	8.920	107	261708	48.249	ug/L	99
51) Chlorobenzene	9.444	112	638500	50.286	ug/L	99
52) Ethylbenzene	9.566	91	1098311	51.190	ug/L	100
53) m,p-Xylene	9.688	106	426669	53.081	ug/L	96
54) o-Xylene	10.097	106	426639	54.850	ug/L	98
55) Styrene	10.110	104	744521	56.502	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	450507	52.100	ug/L	98
59) Bromoform	10.286	173	207531	50.919	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	339554	47.255	ug/L	98
61) Isopropylbenzene	10.479	105	1126755	54.590	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	986878	59.090	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	992312	60.087	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	534693	52.404	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	537042	51.194	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	539096	53.241	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	91494	42.591	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	361914	53.177	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	316417	55.816	ug/L	100
71) Naphthalene	14.080	128	971950	57.718	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	308683	55.228	ug/L	98

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

