

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091423\
 Data File : VW032108.D
 Acq On : 14 Sep 2023 23:21
 Operator : SY/MD
 Sample : 04440-04MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EX821MSD

Quant Time: Sep 15 08:08:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 15 08:00:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	231260	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	229730	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	123448	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	54484	37.645	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.300%
7) Chloroethane-d5	1.529	69	50751	40.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.060	65	24695	36.439	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.880%
21) 2-Butanone-d5	3.789	46	134082	117.791	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.790%
24) Chloroform-d	4.252	84	141764	44.813	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.620%
26) 1,2-Dichloroethane-d4	4.947	65	87600	41.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.460%
32) Benzene-d6	4.963	84	263116	41.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.940%
36) 1,2-Dichloropropane-d6	5.992	67	90909	45.056	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.120%
41) Toluene-d8	7.246	98	231452	40.072	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.140%
43) trans-1,3-Dichloroprop...	7.554	79	42493	40.633	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.260%
47) 2-Hexanone-d5	8.027	63	88174	142.582	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	142.580%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	144057	55.251	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.500%
66) 1,2-Dichlorobenzene-d4	11.564	152	101944	45.301	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	59036	41.933	ug/L	97
3) Chloromethane	1.214	50	69314	48.282	ug/L	99
5) Vinyl chloride	1.281	62	71319	46.518	ug/L	99
6) Bromomethane	1.481	94	42733	47.339	ug/L	98
8) Chloroethane	1.545	64	48396	47.498	ug/L	100
9) Trichlorofluoromethane	1.712	101	104725	46.859	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	66344	49.166	ug/L	99
12) 1,1-Dichloroethene	2.069	96	58237	48.049	ug/L	79
13) Acetone	2.111	43	85122	84.017	ug/L	100
14) Carbon disulfide	2.240	76	124586	45.112	ug/L	100
15) Methyl Acetate	2.375	43	90350	50.002	ug/L	98
16) Methylene chloride	2.449	84	80197	51.490	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	65482	49.279	ug/L	92
18) Methyl tert-butyl Ether	2.706	73	278413	49.576	ug/L	98
19) 1,1-Dichloroethane	3.114	63	155974	52.377	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	87790	52.660	ug/L	94
22) 2-Butanone	3.870	43	142347	106.179	ug/L	96
23) Bromochloromethane	4.149	128	42649	52.731	ug/L	98
25) Chloroform	4.278	83	157168	50.762	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	116626	47.812	ug/L	95
29) Cyclohexane	4.584	56	110241	46.088	ug/L	96
30) 1,1,1-Trichloroethane	4.516	97	127928	47.741	ug/L	99
31) Carbon tetrachloride	4.738	117	103864	45.647	ug/L	99
33) Benzene	5.014	78	312654	50.651	ug/L	100
34) Trichloroethene	5.838	95	84222	44.614	ug/L	98
35) Methylcyclohexane	6.053	83	102298	40.741	ug/L	96
37) 1,2-Dichloropropane	6.095	63	90904	51.957	ug/L	100
38) Bromodichloromethane	6.436	83	122517	49.334	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	140812	46.291	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	307209	110.627	ug/L	98
42) Toluene	7.317	91	336019	49.487	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	132142	45.213	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	95216	53.867	ug/L	98
46) Tetrachloroethene	7.908	164	56604	47.753	ug/L	97
48) 2-Hexanone	8.079	43	228517	107.755	ug/L	99
49) Dibromochloromethane	8.181	129	92264	50.795	ug/L	99
50) 1,2-Dibromoethane	8.284	107	95563	51.617	ug/L	100
51) Chlorobenzene	8.818	112	229122	50.783	ug/L	98
52) Ethylbenzene	8.950	91	389237	48.394	ug/L	99
53) m,p-Xylene	9.075	106	142090	47.579	ug/L	99
54) o-Xylene	9.480	106	144711	48.721	ug/L	99
55) Styrene	9.500	104	256846	48.916	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.181	83	156606	62.586	ug/L	99
59) Bromoform	9.667	173	65707	51.328	ug/L	99
60) Isopropylbenzene	9.869	105	395370	47.817	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	120285	51.574	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	323460	46.500	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	327344	46.779	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	185120	49.957	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	187730	49.822	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	188329	51.289	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	32816	46.843	ug/L	87
69) 1,3,5-Trichlorobenzene	12.586	180	129514	47.944	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	125743	48.493	ug/L	98
71) Naphthalene	13.442	128	451264	54.471	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	128463	51.702	ug/L	99

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

