

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091423\
 Data File : VW032106.D
 Acq On : 14 Sep 2023 22:34
 Operator : SY/MD
 Sample : 04439-05MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EX810MSD

Quant Time: Sep 15 08:07:16 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	5.538	114	240750	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	231130	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	124697	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	52457	34.816	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.640%
7) Chloroethane-d5	1.529	69	48596	36.793	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.580%
11) 1,1-Dichloroethene-d2	2.059	65	23816	33.757	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.520%
21) 2-Butanone-d5	3.789	46	130224	109.892	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.890%
24) Chloroform-d	4.252	84	137553	41.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.540%
26) 1,2-Dichloroethane-d4	4.944	65	84889	38.842	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.680%
32) Benzene-d6	4.963	84	252180	39.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.980%
36) 1,2-Dichloropropane-d6	5.992	67	88506	43.600	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.200%
41) Toluene-d8	7.246	98	224487	38.630	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.260%#
43) trans-1,3-Dichloroprop...	7.554	79	41554	39.494	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.980%
47) 2-Hexanone-d5	8.027	63	85300	137.099	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	137.100%#
56) 1,1,2,2-Tetrachloroeth...	10.156	84	138958	52.973	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.940%
66) 1,2-Dichlorobenzene-d4	11.564	152	96719	42.548	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	59126	40.342	ug/L	98
3) Chloromethane	1.214	50	69765	46.681	ug/L	97
5) Vinyl chloride	1.281	62	71100	44.548	ug/L	99
6) Bromomethane	1.481	94	42404	45.123	ug/L	99
8) Chloroethane	1.545	64	49654	46.812	ug/L	97
9) Trichlorofluoromethane	1.712	101	105422	45.312	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	65859	46.882	ug/L	98
12) 1,1-Dichloroethene	2.069	96	58313	46.215	ug/L	81
13) Acetone	2.111	43	85912	81.454	ug/L	100
14) Carbon disulfide	2.240	76	125054	43.496	ug/L	99
15) Methyl Acetate	2.375	43	93417	49.661	ug/L	99
16) Methylene chloride	2.445	84	81158	50.053	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	66076	47.766	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	281365	48.127	ug/L	98
19) 1,1-Dichloroethane	3.114	63	155312	50.099	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	87790	50.585	ug/L	95
22) 2-Butanone	3.870	43	141606	101.463	ug/L	95
23) Bromochloromethane	4.149	128	43462	51.618	ug/L	97
25) Chloroform	4.278	83	158298	49.111	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	117219	46.161	ug/L	96
29) Cyclohexane	4.587	56	109184	45.370	ug/L	97
30) 1,1,1-Trichloroethane	4.516	97	128430	47.638	ug/L	98
31) Carbon tetrachloride	4.738	117	103760	45.325	ug/L	99
33) Benzene	5.011	78	315053	50.731	ug/L	100
34) Trichloroethene	5.837	95	83289	43.852	ug/L	98
35) Methylcyclohexane	6.053	83	102212	40.460	ug/L	94
37) 1,2-Dichloropropane	6.095	63	91221	51.822	ug/L	100
38) Bromodichloromethane	6.435	83	124991	50.025	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	145426	47.518	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	308444	110.399	ug/L	99
42) Toluene	7.316	91	334565	48.974	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	133376	45.358	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	95252	53.561	ug/L	99
46) Tetrachloroethene	7.908	164	57105	47.884	ug/L	99
48) 2-Hexanone	8.079	43	230452	108.010	ug/L	99
49) Dibromochloromethane	8.181	129	92151	50.426	ug/L	99
50) 1,2-Dibromoethane	8.284	107	95552	51.299	ug/L	100
51) Chlorobenzene	8.818	112	226610	49.922	ug/L	98
52) Ethylbenzene	8.950	91	388945	48.064	ug/L	99
53) m,p-Xylene	9.075	106	142530	47.437	ug/L	96
54) o-Xylene	9.480	106	145147	48.572	ug/L	99
55) Styrene	9.500	104	256543	48.563	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	158522	62.968	ug/L	98
59) Bromoform	9.667	173	67631	52.302	ug/L	99
60) Isopropylbenzene	9.869	105	398322	47.692	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	122016	51.792	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	321751	45.791	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	325541	46.055	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	185247	49.491	ug/L	97
65) 1,4-Dichlorobenzene	11.213	146	188268	49.465	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	188324	50.774	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	33037	46.686	ug/L	90
69) 1,3,5-Trichlorobenzene	12.586	180	128679	47.158	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	125004	47.725	ug/L	98
71) Naphthalene	13.442	128	442124	52.833	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	128668	51.266	ug/L	98

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

