

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082823\
 Data File : VW031954.D
 Acq On : 28 Aug 2023 20:48
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050286

Quant Time: Aug 29 00:10:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 26 00:50:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	222658	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	218410	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	114435	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40426	29.011	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.020%#
7) Chloroethane-d5	1.532	69	44414	36.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.720%
11) 1,1-Dichloroethene-d2	2.060	65	20998	32.181	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.360%
21) 2-Butanone-d5	3.793	46	129320	117.997	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.000%
24) Chloroform-d	4.252	84	135111	44.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.720%
26) 1,2-Dichloroethane-d4	4.944	65	93238	46.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.260%
32) Benzene-d6	4.963	84	247533	41.534	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.060%
36) 1,2-Dichloropropane-d6	5.992	67	89569	46.693	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.380%
41) Toluene-d8	7.246	98	215175	39.184	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.360%#
43) trans-1,3-Dichloroprop...	7.555	79	42635	42.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.760%
47) 2-Hexanone-d5	8.030	63	67834	115.376	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.380%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	140624	56.730	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.460%
66) 1,2-Dichlorobenzene-d4	11.564	152	92024	44.113	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	53128	39.195	ug/L	97
3) Chloromethane	1.217	50	65263	47.217	ug/L	100
5) Vinyl chloride	1.285	62	63989	43.350	ug/L	99
6) Bromomethane	1.491	94	41896	48.205	ug/L	97
8) Chloroethane	1.548	64	46748	47.653	ug/L	98
9) Trichlorofluoromethane	1.716	101	88453	41.107	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	55295	42.561	ug/L	100
12) 1,1-Dichloroethene	2.072	96	49889	42.752	ug/L	81
13) Acetone	2.121	43	81259	83.303	ug/L	97
14) Carbon disulfide	2.243	76	121092	45.540	ug/L	99
15) Methyl Acetate	2.375	43	101428	58.301	ug/L	99
16) Methylene chloride	2.449	84	80273	53.530	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	58247	45.528	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	294116	54.395	ug/L	98
19) 1,1-Dichloroethane	3.114	63	144248	50.311	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	79908	49.784	ug/L	98
22) 2-Butanone	3.873	43	138845	107.568	ug/L	97
23) Bromochloromethane	4.150	128	40252	51.690	ug/L	95
25) Chloroform	4.278	83	144275	48.398	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	121995	51.946	ug/L	99
29) Cyclohexane	4.584	56	102046	44.874	ug/L	98
30) 1,1,1-Trichloroethane	4.516	97	112941	44.332	ug/L	99
31) Carbon tetrachloride	4.738	117	90266	41.727	ug/L	99
33) Benzene	5.011	78	291135	49.610	ug/L	100
34) Trichloroethene	5.834	95	77941	43.427	ug/L	97
35) Methylcyclohexane	6.053	83	99727	41.775	ug/L	96
37) 1,2-Dichloropropane	6.095	63	87198	52.421	ug/L	100
38) Bromodichloromethane	6.436	83	116788	49.464	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	144495	49.964	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	297794	112.794	ug/L	98
42) Toluene	7.317	91	306593	47.494	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	137228	49.386	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	88748	52.810	ug/L	99
46) Tetrachloroethene	7.908	164	48926	43.415	ug/L	98
48) 2-Hexanone	8.079	43	218039	108.143	ug/L	99
49) Dibromochloromethane	8.178	129	86313	49.982	ug/L	99
50) 1,2-Dibromoethane	8.284	107	88872	50.491	ug/L	99
51) Chlorobenzene	8.818	112	202880	47.297	ug/L	98
52) Ethylbenzene	8.950	91	346741	45.345	ug/L	100
53) m,p-Xylene	9.075	106	128014	45.087	ug/L	97
54) o-Xylene	9.481	106	132177	46.808	ug/L	97
55) Styrene	9.500	104	236575	47.391	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	138799	58.345	ug/L	98
59) Bromoform	9.667	173	61476	51.805	ug/L	99
60) Isopropylbenzene	9.870	105	348419	45.458	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	115951	53.631	ug/L	99
62) 1,3,5-Trimethylbenzene	10.481	105	292599	45.376	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	296888	45.768	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	163432	47.578	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	163175	46.716	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	162559	47.758	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	32899	50.660	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	113594	45.362	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	112632	46.858	ug/L	100
71) Naphthalene	13.442	128	371253	48.343	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	109097	47.366	ug/L	99

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

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