

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092023\
 Data File : VW032136.D
 Acq On : 20 Sep 2023 10:42
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050300

Quant Time: Sep 21 01:33:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 16 02:09:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	250073	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	241776	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	131749	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	76289	48.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.500%
7) Chloroethane-d5	1.529	69	61830	45.067	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.140%
11) 1,1-Dichloroethene-d2	2.060	65	31597	43.116	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.240%
21) 2-Butanone-d5	3.786	46	103222	83.859	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.860%
24) Chloroform-d	4.249	84	137473	40.188	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.380%
26) 1,2-Dichloroethane-d4	4.940	65	81297	35.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.620%
32) Benzene-d6	4.960	84	275876	41.816	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.640%
36) 1,2-Dichloropropane-d6	5.992	67	88794	41.815	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.640%
41) Toluene-d8	7.243	98	252220	41.492	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.980%
43) trans-1,3-Dichloroprop...	7.555	79	42862	38.944	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.880%
47) 2-Hexanone-d5	8.027	63	67134	103.150	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.150%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	117094	42.672	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.340%
66) 1,2-Dichlorobenzene-d4	11.564	152	97966	40.790	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	58170	38.210	ug/L	98
3) Chloromethane	1.214	50	64327	41.438	ug/L	99
5) Vinyl chloride	1.281	62	68164	41.116	ug/L	98
6) Bromomethane	1.484	94	41791	42.813	ug/L	100
8) Chloroethane	1.548	64	47308	42.938	ug/L	96
9) Trichlorofluoromethane	1.712	101	104204	43.118	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	68878	47.204	ug/L	99
12) 1,1-Dichloroethene	2.069	96	55690	42.491	ug/L	88
13) Acetone	2.111	43	114670	104.667	ug/L	99
14) Carbon disulfide	2.240	76	114000	38.173	ug/L	100
15) Methyl Acetate	2.371	43	93261	47.730	ug/L	100
16) Methylene chloride	2.445	84	75435	44.789	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	61175	42.574	ug/L	93
18) Methyl tert-butyl Ether	2.703	73	257123	42.340	ug/L	97
19) 1,1-Dichloroethane	3.111	63	145071	45.051	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	80433	44.618	ug/L	94
22) 2-Butanone	3.863	43	140525	96.934	ug/L	98
23) Bromochloromethane	4.146	128	40003	45.738	ug/L	98
25) Chloroform	4.278	83	147441	44.038	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	106360	40.323	ug/L	96
29) Cyclohexane	4.584	56	102403	40.679	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	120936	42.883	ug/L	98
31) Carbon tetrachloride	4.735	117	99994	41.757	ug/L	99
33) Benzene	5.011	78	288095	44.347	ug/L	100
34) Trichloroethene	5.834	95	81881	41.213	ug/L	98
35) Methylcyclohexane	6.050	83	108122	40.915	ug/L	98
37) 1,2-Dichloropropane	6.095	63	85129	46.232	ug/L	100
38) Bromodichloromethane	6.432	83	114305	43.734	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	138591	43.291	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	271188	92.790	ug/L	99
42) Toluene	7.317	91	314692	44.037	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	130006	42.265	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	88936	47.808	ug/L	99
46) Tetrachloroethene	7.908	164	56233	45.076	ug/L	98
48) 2-Hexanone	8.075	43	214094	95.925	ug/L	97
49) Dibromochloromethane	8.178	129	88557	46.325	ug/L	99
50) 1,2-Dibromoethane	8.284	107	88807	45.578	ug/L	98
51) Chlorobenzene	8.815	112	214765	45.229	ug/L	98
52) Ethylbenzene	8.947	91	363223	42.909	ug/L	99
53) m,p-Xylene	9.075	106	134092	42.664	ug/L	100
54) o-Xylene	9.480	106	134115	42.904	ug/L	100
55) Styrene	9.497	104	242696	43.918	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.181	83	139929	53.135	ug/L	98
59) Bromoform	9.667	173	64390	47.130	ug/L	99
60) Isopropylbenzene	9.870	105	377289	42.756	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	109140	43.847	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	309606	41.704	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	311814	41.752	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	177677	44.927	ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	181190	45.057	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	180880	46.157	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	29341	39.244	ug/L	85
69) 1,3,5-Trichlorobenzene	12.586	180	132933	46.109	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	125934	45.507	ug/L	99
71) Naphthalene	13.442	128	399518	45.186	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	126366	47.654	ug/L	99

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

