

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011722\
 Data File : VW024370.D
 Acq On : 17 Jan 2022 10:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050390

Quant Time: Jan 18 11:03:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 13 02:28:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	336709	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	315122	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	171968	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	89916	37.105	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.220%
7) Chloroethane-d5	1.568	69	72839	39.568	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.140%
11) 1,1-Dichloroethene-d2	2.111	63	184744	40.792	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.580%
21) 2-Butanone-d5	3.879	46	138055	102.255	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.260%
24) Chloroform-d	4.342	84	213929	48.303	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.027	65	131565	44.369	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.740%
32) Benzene-d6	5.046	84	399164	48.541	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.080%
36) 1,2-Dichloropropane-d6	6.066	67	121921	52.903	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.800%
41) Toluene-d8	7.310	98	380688	47.813	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.620%
43) trans-1,3-Dichloroprop...	7.615	79	63474	47.830	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.660%
47) 2-Hexanone-d5	8.085	63	98199	98.075	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.070%
56) 1,1,2,2-Tetrachloroeth...	10.213	84	162500	49.340	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.680%
66) 1,2-Dichlorobenzene-d4	11.622	152	159309	46.476	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	99400	36.592	ug/L	99
3) Chloromethane	1.243	50	98931	43.349	ug/L	98
5) Vinyl chloride	1.313	62	105504	43.690	ug/L	95
6) Bromomethane	1.526	94	68608	49.859	ug/L	98
8) Chloroethane	1.587	64	63467	42.581	ug/L	97
9) Trichlorofluoromethane	1.754	101	172915	39.837	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	99478	46.894	ug/L	95
12) 1,1-Dichloroethene	2.121	96	88235	43.021	ug/L	95
13) Acetone	2.175	43	144814	108.638	ug/L	100
14) Carbon disulfide	2.297	76	225839	37.924	ug/L	99
15) Methyl Acetate	2.429	43	100470	51.822	ug/L	96
16) Methylene chloride	2.506	84	109405	48.984	ug/L	97
17) trans-1,2-Dichloroethene	2.760	96	97565	46.165	ug/L	94
18) Methyl tert-butyl Ether	2.764	73	339668	52.148	ug/L	97
19) 1,1-Dichloroethane	3.188	63	187062	53.364	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	114879	50.896	ug/L	99
22) 2-Butanone	3.960	43	157150	110.983	ug/L	94
23) Bromochloromethane	4.243	128	63782	49.042	ug/L	92
25) Chloroform	4.371	83	242960	59.280	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	154388	46.313	ug/L	96
29) Cyclohexane	4.673	56	149640	53.122	ug/L	95
30) 1,1,1-Trichloroethane	4.603	97	185884	47.942	ug/L	99
31) Carbon tetrachloride	4.825	117	161996	45.035	ug/L	99
33) Benzene	5.095	78	412736	51.510	ug/L	100
34) Trichloroethene	5.908	95	115648	52.339	ug/L	96
35) Methylcyclohexane	6.127	83	163399	49.862	ug/L	97
37) 1,2-Dichloropropane	6.169	63	106771	56.653	ug/L	98
38) Bromodichloromethane	6.503	83	158265	53.514	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	173669	54.818	ug/L	97
40) 4-Methyl-2-pentanone	7.220	43	276021	112.314	ug/L	97
42) Toluene	7.384	91	456472	50.750	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	170712	53.119	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	109598	51.873	ug/L	97
46) Tetrachloroethene	7.972	164	94071	46.775	ug/L	98
48) 2-Hexanone	8.133	43	219671	111.287	ug/L	99
49) Dibromochloromethane	8.242	129	130543	49.292	ug/L	100
50) 1,2-Dibromoethane	8.349	107	116924	51.524	ug/L	98
51) Chlorobenzene	8.876	112	304501	50.263	ug/L	98
52) Ethylbenzene	9.008	91	493378	51.345	ug/L	100
53) m,p-Xylene	9.136	106	192017	49.854	ug/L	98
54) o-Xylene	9.541	106	190798	51.894	ug/L	97
55) Styrene	9.558	104	328753	51.489	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	160677	52.081	ug/L	99
59) Bromoform	9.728	173	94128	48.002	ug/L	97
60) Isopropylbenzene	9.927	105	508884	53.477	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	128769	50.994	ug/L	97
62) 1,3,5-Trimethylbenzene	10.535	105	433706	52.985	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	441596	54.038	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	252365	51.435	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	256645	50.721	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	253385	50.108	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	33387	45.907	ug/L	95
69) 1,3,5-Trichlorobenzene	12.644	180	192912	51.116	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	167685	51.953	ug/L	100
71) Naphthalene	13.500	128	476188	50.994	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	167441	50.194	ug/L	99

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

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