

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102921\
 Data File : VW023092.D
 Acq On : 29 Oct 2021 09:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050365

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:39:26 PM

Quant Time: Oct 30 00:20:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:52:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	290913	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	286662	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	166241	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	97473	48.618	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.240%
7) Chloroethane-d5	1.565	69	75961	48.576	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.160%
11) 1,1-Dichloroethene-d2	2.108	63	181893	47.894	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.780%
21) 2-Butanone-d5	3.873	46	140636	93.627	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.630%
24) Chloroform-d	4.343	84	207603	49.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.500%
26) 1,2-Dichloroethane-d4	5.027	65	123457	49.482	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.960%
32) Benzene-d6	5.047	84	395773	50.400	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.800%
36) 1,2-Dichloropropane-d6	6.066	67	122273	48.913	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.820%
41) Toluene-d8	7.314	98	371641	51.873	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.740%
43) trans-1,3-Dichloroprop...	7.619	79	60258	50.292	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.580%
47) 2-Hexanone-d5	8.085	63	102881	94.756	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.760%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	176928	48.425	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.840%
66) 1,2-Dichlorobenzene-d4	11.622	152	154839	48.286	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	131765	47.646	ug/L	100
3) Chloromethane	1.240	50	121607	46.621	ug/L	99
5) Vinyl chloride	1.311	62	122951	47.172	ug/L	99
6) Bromomethane	1.520	94	67081	45.812	ug/L	98
8) Chloroethane	1.581	64	72919	45.953	ug/L	98
9) Trichlorofluoromethane	1.751	101	185942	47.007	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	98657	46.980	ug/L	99
12) 1,1-Dichloroethene	2.118	96	90661	46.526	ug/L	96
13) Acetone	2.163	43	154873m	104.022	ug/L	
14) Carbon disulfide	2.294	76	283327	48.620	ug/L	100
15) Methyl Acetate	2.426	43	109360	44.253	ug/L	100
16) Methylene chloride	2.503	84	117995	47.269	ug/L	99
17) trans-1,2-Dichloroethene	2.757	96	105303	47.352	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	316947	47.458	ug/L	99
19) 1,1-Dichloroethane	3.185	63	194067	46.838	ug/L	100
20) cis-1,2-Dichloroethene	3.908	96	115132	48.433	ug/L	98
22) 2-Butanone	3.954	43	173452	102.214	ug/L	99
23) Bromochloromethane	4.243	128	64054	47.814	ug/L	99
25) Chloroform	4.372	83	202251	47.465	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	152244	47.599	ug/L	100
29) Cyclohexane	4.674	56	165605	49.492	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	179793	47.067	ug/L	99
31) Carbon tetrachloride	4.825	117	160545	46.760	ug/L	99
33) Benzene	5.095	78	438343	49.086	ug/L	100
34) Trichloroethene	5.908	95	109501	46.926	ug/L	98
35) Methylcyclohexane	6.127	83	182173	50.096	ug/L	98
37) 1,2-Dichloropropane	6.169	63	112518	47.944	ug/L	100
38) Bromodichloromethane	6.506	83	150548	47.395	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	171606	48.213	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	284865	94.111	ug/L	100
42) Toluene	7.384	91	479044	50.122	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	171640	49.739	ug/L	98
45) 1,1,2-Trichloroethane	7.838	97	112094	46.778	ug/L	97
46) Tetrachloroethene	7.973	164	96990	48.209	ug/L	98
48) 2-Hexanone	8.137	43	238202	99.115	ug/L	99
49) Dibromochloromethane	8.243	129	129686	47.362	ug/L	98
50) 1,2-Dibromoethane	8.349	107	117736	46.646	ug/L	99
51) Chlorobenzene	8.879	112	308236	47.743	ug/L	99
52) Ethylbenzene	9.011	91	500999	49.267	ug/L	100
53) m,p-Xylene	9.137	106	200561	51.164	ug/L	97
54) o-Xylene	9.542	106	192137	50.359	ug/L	97
55) Styrene	9.558	104	345083	52.038	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	177805	46.527	ug/L	99
59) Bromoform	9.731	173	94607	44.991	ug/L	99
60) Isopropylbenzene	9.931	105	505307	47.579	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	137618	44.170	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	419064	47.910	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	435279	49.570	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	253686	47.250	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	260306	46.548	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	251739	46.370	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	36977	42.524	ug/L	99
69) 1,3,5-Trichlorobenzene	12.644	180	190285	46.857	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	166759	47.381	ug/L	99
71) Naphthalene	13.503	128	526122	46.560	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	177381	47.680	ug/L	99

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

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