

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091621\
 Data File : VW022169.D
 Acq On : 16 Sep 2021 20:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050336

Manual Integrations
 APPROVED

MMDadoda
 9/17/2021 10:33:08 AM

Quant Time: Sep 17 01:58:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 17 01:54:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	301632	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	292360	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	158501	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	92661	44.360	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.720%
7) Chloroethane-d5	1.558	69	81525	49.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.960%
11) 1,1-Dichloroethene-d2	2.105	63	178952	51.801	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.600%
21) 2-Butanone-d5	3.876	46	168555	117.660	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.660%
24) Chloroform-d	4.349	84	204769	53.762	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.520%
26) 1,2-Dichloroethane-d4	5.034	65	121711	54.252	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.500%
32) Benzene-d6	5.050	84	408397	51.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.000%
36) 1,2-Dichloropropane-d6	6.072	67	125705	50.407	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.820%
41) Toluene-d8	7.317	98	379986	50.763	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.520%
43) trans-1,3-Dichloroprop...	7.625	79	56808	47.860	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.720%
47) 2-Hexanone-d5	8.088	63	111926	116.971	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.970%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	181187	56.729	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.460%
66) 1,2-Dichlorobenzene-d4	11.625	152	154749	49.664	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	77896	37.570	ug/L	99
3) Chloromethane	1.240	50	88816	40.454	ug/L	97
5) Vinyl chloride	1.310	62	93937	42.451	ug/L	100
6) Bromomethane	1.507	94	62485	46.966	ug/L	97
8) Chloroethane	1.577	64	65196	47.097	ug/L	99
9) Trichlorofluoromethane	1.748	101	153186	48.612	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	91614	49.567	ug/L	99
12) 1,1-Dichloroethene	2.114	96	85669	49.239	ug/L	94
13) Acetone	2.159	43	107270m	89.369	ug/L	
14) Carbon disulfide	2.291	76	205684	39.179	ug/L	99
15) Methyl Acetate	2.426	43	124723	53.358	ug/L	99
16) Methylene chloride	2.503	84	120285	51.601	ug/L	99
17) trans-1,2-Dichloroethene	2.757	96	96996	46.108	ug/L	96
18) Methyl tert-butyl Ether	2.767	73	339773	50.827	ug/L	99
19) 1,1-Dichloroethane	3.188	63	192725	51.438	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	113726	48.572	ug/L	95
22) 2-Butanone	3.957	43	172587	102.291	ug/L	98
23) Bromochloromethane	4.249	128	62346	50.000	ug/L	98
25) Chloroform	4.375	83	201636	50.838	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	145325	54.661	ug/L	99
29) Cyclohexane	4.677	56	144356	44.170	ug/L	98
30) 1,1,1-Trichloroethane	4.609	97	172861	49.748	ug/L	99
31) Carbon tetrachloride	4.828	117	146162	48.961	ug/L	98
33) Benzene	5.101	78	426130	50.098	ug/L	100
34) Trichloroethene	5.915	95	112575	46.723	ug/L	98
35) Methylcyclohexane	6.133	83	148277	42.097	ug/L	98
37) 1,2-Dichloropropane	6.175	63	111836	50.721	ug/L	98
38) Bromodichloromethane	6.513	83	145436	51.578	ug/L	99
39) cis-1,3-Dichloropropene	7.030	75	158758	46.636	ug/L	98
40) 4-Methyl-2-pentanone	7.227	43	344448	115.231	ug/L	98
42) Toluene	7.391	91	461362	50.255	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	157273	49.639	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	117323	52.295	ug/L	100
46) Tetrachloroethene	7.976	164	85816	45.806	ug/L	96
48) 2-Hexanone	8.140	43	263851	113.763	ug/L	97
49) Dibromochloromethane	8.249	129	124993	52.049	ug/L	97
50) 1,2-Dibromoethane	8.355	107	121737	50.560	ug/L	98
51) Chlorobenzene	8.882	112	302135	48.950	ug/L	99
52) Ethylbenzene	9.014	91	483527	48.655	ug/L	99
53) m,p-Xylene	9.140	106	187534	48.550	ug/L	99
54) o-Xylene	9.545	106	187423	49.039	ug/L	98
55) Styrene	9.561	104	331323	50.797	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.243	83	184607	56.793	ug/L	99
59) Bromoform	9.735	173	86010	51.092	ug/L	100
60) Isopropylbenzene	9.934	105	495166	49.718	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	152178	55.397	ug/L	99
62) 1,3,5-Trimethylbenzene	10.542	105	409455	48.970	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	422454	49.708	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	242331	47.923	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	243222	47.005	ug/L	100
67) 1,2-Dichlorobenzene	11.644	146	251561	50.102	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	37000	55.886	ug/L	96
69) 1,3,5-Trichlorobenzene	12.648	180	168270	44.503	ug/L	100
70) 1,2,4-trichlorobenzene	13.265	180	140060	42.108	ug/L	100
71) Naphthalene	13.503	128	443298	46.331	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	150144	46.280	ug/L	99

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

