

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW083121\
 Data File : VW022054.D
 Acq On : 31 Aug 2021 20:34
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050324

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 12:32:33 PM

Quant Time: Sep 01 02:48:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 01 02:41:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	381042	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	368828	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	201512	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	88726	33.624	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.240%
7) Chloroethane-d5	1.561	69	83868	40.699	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.108	63	182656	41.855	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.700%
21) 2-Butanone-d5	3.876	46	196787	108.740	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.740%
24) Chloroform-d	4.352	84	224641	46.688	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.380%
26) 1,2-Dichloroethane-d4	5.034	65	135920	47.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.920%
32) Benzene-d6	5.053	84	445279	44.511	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.020%
36) 1,2-Dichloropropane-d6	6.072	67	143973	45.763	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.520%
41) Toluene-d8	7.317	98	410987	43.521	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.040%
43) trans-1,3-Dichloroprop...	7.625	79	64715	43.218	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.440%
47) 2-Hexanone-d5	8.088	63	131561	108.985	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.990%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	209822	52.075	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.140%
66) 1,2-Dichlorobenzene-d4	11.628	152	178875	45.153	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	118834	45.370	ug/L	100
3) Chloromethane	1.240	50	130781	47.154	ug/L	99
5) Vinyl chloride	1.310	62	134451	48.097	ug/L	98
6) Bromomethane	1.513	94	86495	51.464	ug/L	100
8) Chloroethane	1.580	64	87029	49.767	ug/L	98
9) Trichlorofluoromethane	1.751	101	197998	49.738	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	110717	47.419	ug/L	97
12) 1,1-Dichloroethene	2.117	96	107770	49.033	ug/L #	83
13) Acetone	2.159	43	120255m	79.308	ug/L	
14) Carbon disulfide	2.291	76	300902	45.371	ug/L	99
15) Methyl Acetate	2.426	43	151756	51.392	ug/L	98
16) Methylene chloride	2.506	84	144584	49.099	ug/L	99
17) trans-1,2-Dichloroethene	2.760	96	128764	48.453	ug/L	98
18) Methyl tert-butyl Ether	2.767	73	424171	50.228	ug/L	100
19) 1,1-Dichloroethane	3.191	63	237867	50.255	ug/L	100
20) cis-1,2-Dichloroethene	3.912	96	144052	48.702	ug/L	96
22) 2-Butanone	3.960	43	204573	95.981	ug/L	100
23) Bromochloromethane	4.249	128	78161	49.620	ug/L	97
25) Chloroform	4.378	83	248364	49.570	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	172300	51.301	ug/L	100
29) Cyclohexane	4.680	56	192338	46.650	ug/L	100
30) 1,1,1-Trichloroethane	4.609	97	212891	48.566	ug/L	98
31) Carbon tetrachloride	4.828	117	177041	47.009	ug/L	100
33) Benzene	5.101	78	532488	49.622	ug/L	100
34) Trichloroethene	5.915	95	142013	46.721	ug/L	99
35) Methylcyclohexane	6.133	83	201128	45.263	ug/L	100
37) 1,2-Dichloropropane	6.175	63	139050	49.989	ug/L	100
38) Bromodichloromethane	6.513	83	171921	48.330	ug/L	100
39) cis-1,3-Dichloropropene	7.030	75	194000	45.173	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	395728	104.939	ug/L	99
42) Toluene	7.391	91	573551	49.523	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	191994	48.035	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	141936	50.149	ug/L	98
46) Tetrachloroethene	7.979	164	114124	48.287	ug/L	98
48) 2-Hexanone	8.140	43	295872	101.121	ug/L	99
49) Dibromochloromethane	8.249	129	143978	47.525	ug/L	98
50) 1,2-Dibromoethane	8.355	107	151565	49.898	ug/L	100
51) Chlorobenzene	8.882	112	378050	48.550	ug/L	98
52) Ethylbenzene	9.014	91	612554	48.859	ug/L	99
53) m,p-Xylene	9.140	106	233947	48.009	ug/L	99
54) o-Xylene	9.545	106	235796	48.904	ug/L	97
55) Styrene	9.561	104	411689	50.032	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.242	83	219580	53.547	ug/L	99
59) Bromoform	9.734	173	101525	47.436	ug/L	99
60) Isopropylbenzene	9.934	105	617758	48.788	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	177975	50.960	ug/L	100
62) 1,3,5-Trimethylbenzene	10.541	105	512306	48.193	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	530951	49.140	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	309032	48.069	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	310801	47.245	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	310020	48.566	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.432	75	43030	51.122	ug/L	97
69) 1,3,5-Trichlorobenzene	12.648	180	222016	46.184	ug/L	100
70) 1,2,4-trichlorobenzene	13.265	180	196968	46.578	ug/L	99
71) Naphthalene	13.503	128	609921	50.139	ug/L	100
72) 1,2,3-Trichlorobenzene	13.747	180	198550	48.137	ug/L	99

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

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