

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050521\
 Data File : VW021280.D
 Acq On : 05 May 2021 09:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050191

Manual Integrations
 APPROVED

MMDadoda
 5/6/2021 4:19:17 PM

Quant Time: May 06 02:08:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 05 01:23:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	689305	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	681048	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	396184	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	116969	38.25	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.50%		
7) Chloroethane-d5	1.568	69	113465	41.52	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.04%		
11) 1,1-Dichloroethene-d2	2.108	63	366884	43.01	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.02%		
21) 2-Butanone-d5	3.902	46	238735m	97.30	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.30%		
24) Chloroform-d	4.349	84	458035	47.06	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.12%		
26) 1,2-Dichloroethane-d4	5.034	65	343868	47.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.40%		
32) Benzene-d6	5.050	84	717034	45.71	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.42%		
36) 1,2-Dichloropropane-d6	6.069	67	189889	47.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.26%		
41) Toluene-d8	7.317	98	728181	44.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.60%		
43) trans-1,3-Dichloroprop...	7.622	79	142175	47.44	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.88%		
47) 2-Hexanone-d5	8.091	63	173234	93.11	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.11%		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	310677	48.19	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.38%		
66) 1,2-Dichlorobenzene-d4	11.632	152	366997	47.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.02%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	273113	49.08	ug/L	99
3) Chloromethane	1.243	50	149319	44.63	ug/L	95
5) Vinyl chloride	1.314	62	192016	46.05	ug/L	99
6) Bromomethane	1.523	94	162582	49.55	ug/L	98
8) Chloroethane	1.587	64	126949	47.12	ug/L	100
9) Trichlorofluoromethane	1.754	101	521756	47.70	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	235144	48.69	ug/L	96
12) 1,1-Dichloroethene	2.117	96	210800	48.84	ug/L	88
13) Acetone	2.188	43	306814m	105.80	ug/L	
14) Carbon disulfide	2.294	76	510876	47.18	ug/L	99
15) Methyl Acetate	2.436	43	161194	46.02	ug/L	96
16) Methylene chloride	2.507	84	222079	50.24	ug/L	93
17) trans-1,2-Dichloroethene	2.761	96	218754	50.62	ug/L	97
18) Methyl tert-butyl Ether	2.767	73	766843	49.49	ug/L #	91
19) 1,1-Dichloroethane	3.188	63	364476	48.68	ug/L	97
20) cis-1,2-Dichloroethene	3.908	96	239166	50.33	ug/L	97
22) 2-Butanone	3.979	43	267946	96.81	ug/L	96
23) Bromochloromethane	4.246	128	140797	51.72	ug/L #	85
25) Chloroform	4.375	83	480376	48.73	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	436866	48.62	ug/L	98
29) Cyclohexane	4.677	56	278993	48.73	ug/L	88
30) 1,1,1-Trichloroethane	4.606	97	511428	48.06	ug/L	99
31) Carbon tetrachloride	4.828	117	481485	48.66	ug/L	99
33) Benzene	5.098	78	836649	48.02	ug/L	100
34) Trichloroethene	5.915	95	268034	47.81	ug/L	93
35) Methylcyclohexane	6.130	83	374011	51.07	ug/L	96
37) 1,2-Dichloropropane	6.175	63	177479	48.24	ug/L #	94
38) Bromodichloromethane	6.510	83	373365	47.83	ug/L	97
39) cis-1,3-Dichloropropene	7.027	75	371181	51.70	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	474286	90.99	ug/L #	97
42) Toluene	7.387	91	1005633	49.52	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	391037	49.94	ug/L	97
45) 1,1,2-Trichloroethane	7.841	97	228789	48.46	ug/L	93
46) Tetrachloroethene	7.979	164	234480	48.67	ug/L	96
48) 2-Hexanone	8.143	43	406142	96.99	ug/L #	98
49) Dibromochloromethane	8.249	129	315958	47.18	ug/L	98
50) 1,2-Dibromoethane	8.355	107	254854	47.93	ug/L	100
51) Chlorobenzene	8.882	112	689826	49.14	ug/L	98
52) Ethylbenzene	9.014	91	1165481	49.68	ug/L	98
53) m,p-Xylene	9.140	106	463211	50.29	ug/L	99
54) o-Xylene	9.545	106	442141	49.80	ug/L	100
55) Styrene	9.564	104	782726	51.78	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.246	83	307818	48.24	ug/L #	98
59) Bromoform	9.735	173	250354	47.21	ug/L	100
60) Isopropylbenzene	9.934	105	1252848	49.49	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	293222	45.26	ug/L	96
62) 1,3,5-Trimethylbenzene	10.542	105	1104258	49.81	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	1118196	50.26	ug/L	97
64) 1,3-Dichlorobenzene	11.188	146	610077	49.64	ug/L	100
65) 1,4-Dichlorobenzene	11.278	146	612487	48.66	ug/L	98
67) 1,2-Dichlorobenzene	11.648	146	617577	49.74	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.435	75	98483	43.71	ug/L	93
69) 1,3,5-Trichlorobenzene	12.651	180	481941	50.63	ug/L	99
70) 1,2,4-trichlorobenzene	13.268	180	402027	51.88	ug/L	99
71) Naphthalene	13.509	128	1066200	50.09	ug/L	100
72) 1,2,3-Trichlorobenzene	13.750	180	405274	51.67	ug/L	99

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

