

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012621\
 Data File : VW020167.D
 Acq On : 25 Jan 2021 23:07
 Operator : SY/MD
 Sample : L5214-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2021-01

Manual Integrations
 APPROVED

SAM

2/1/2021 3:34:36 PM

Quant Time: Jan 28 04:59:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM012621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 27 06:32:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	383296	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.855	117	372330	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.257	152	174056	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.309	65	171006	56.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.42%
7) Chloroethane-d5	1.569	69	139502	60.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.24%
11) 1,1-Dichloroethene-d2	2.110	63	244280	44.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.92%
21) 2-Butanone-d5	3.891	46	217396	116.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.34%
24) Chloroform-d	4.354	84	277236	53.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.30%
26) 1,2-Dichloroethane-d4	5.035	65	198626	56.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.86%
32) Benzene-d6	5.055	84	517191	54.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.30%
36) 1,2-Dichloropropane-d6	6.074	67	165687	53.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.30%
41) Toluene-d8	7.318	98	459666	51.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.46%
43) trans-1,3-Dichloroprop...	7.624	79	78815	52.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.56%
47) 2-Hexanone-d5	8.090	63	154228	113.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.94%
56) 1,1,2,2-Tetrachloroeth...	10.222	84	234496	51.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.48%
66) 1,2-Dichlorobenzene-d4	11.633	152	174446	52.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.38%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.129	85	5205	1.95	ug/L	95
3) Chloromethane	1.241	50	9872	2.79	ug/L	99
5) Vinyl chloride	1.312	62	7108	2.40	ug/L #	56
6) Bromomethane	1.524	94	4000	3.04	ug/L	96
8) Chloroethane	1.589	64	4516	2.47	ug/L	90
9) Trichlorofluoromethane	1.753	101	8541	2.04	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.113	101	6827	2.90	ug/L #	74
12) 1,1-Dichloroethene	2.119	96	6792	2.98	ug/L #	1
13) Acetone	2.184	43	6232	4.53	ug/L	87
14) Carbon disulfide	2.296	76	12175	2.02	ug/L	99
15) Methyl Acetate	2.444	43	6134	2.31	ug/L #	85
16) Methylene chloride	2.511	84	5914	2.43	ug/L	92
17) trans-1,2-Dichloroethene	2.765	96	4797	2.18	ug/L	93
18) Methyl tert-butyl Ether	2.772	73	15027	2.01	ug/L #	86
19) 1,1-Dichloroethane	3.200	63	8940	2.00	ug/L	97
20) cis-1,2-Dichloroethene	3.913	96	5292	2.13	ug/L	95
22) 2-Butanone	4.003	43	6993m	3.79	ug/L	
23) Bromochloromethane	4.261	128	2526m	2.02	ug/L	
25) Chloroform	4.383	83	11307	2.44	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.145	62	8389	2.12	ug/L	96
29) Cyclohexane	4.685	56	6317	1.83	ug/L	98
30) 1,1,1-Trichloroethane	4.611	97	8445	2.07	ug/L	96
31) Carbon tetrachloride	4.833	117	6467	1.88	ug/L	97
33) Benzene	5.106	78	19054	1.93	ug/L	100
34) Trichloroethene	5.929	95	4878	1.86	ug/L	95
35) Methylcyclohexane	6.132	83	6153	1.64	ug/L	97
37) 1,2-Dichloropropane	6.180	63	5613	2.20	ug/L	99
38) Bromodichloromethane	6.518	83	6905	1.93	ug/L	93
39) cis-1,3-Dichloropropene	7.039	75	7479	1.85	ug/L	91
40) 4-Methyl-2-pentanone	7.235	43	15089	3.88	ug/L #	92
42) Toluene	7.396	91	19360	1.88	ug/L	91
44) trans-1,3-Dichloropropene	7.659	75	7358	1.90	ug/L	95
45) 1,1,2-Trichloroethane	7.849	97	4851	1.98	ug/L	96
46) Tetrachloroethene	7.987	164	3517	1.86	ug/L	90
48) 2-Hexanone	8.154	43	11266	3.92	ug/L #	89
49) Dibromochloromethane	8.254	129	4899	1.76	ug/L	87
50) 1,2-Dibromoethane	8.363	107	5589	1.99	ug/L #	97
51) Chlorobenzene	8.891	112	12346	1.78	ug/L	96
52) Ethylbenzene	9.019	91	20042	1.73	ug/L	98
53) m,p-Xylene	9.148	106	6881	1.57	ug/L	97
54) o-Xylene	9.550	106	6880	1.57	ug/L	98
55) Styrene	9.569	104	11230	1.47	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.247	83	9700	2.27	ug/L	98
59) Bromoform	9.743	173	2868	1.52	ug/L #	95
60) Isopropylbenzene	9.939	105	18720	1.70	ug/L	98
61) 1,2,3-Trichloropropane	10.283	75	6719	2.07	ug/L	95
62) 1,3,5-Trimethylbenzene	10.543	105	14012	1.53	ug/L	96
63) 1,2,4-Trimethylbenzene	10.923	105	17553	1.95	ug/L	100
64) 1,3-Dichlorobenzene	11.190	146	9762	1.90	ug/L	93
65) 1,4-Dichlorobenzene	11.280	146	10849	2.09	ug/L	93
67) 1,2-Dichlorobenzene	11.653	146	10252	2.04	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.437	75	1793	1.95	ug/L	92
69) 1,3,5-Trichlorobenzene	12.656	180	8277	2.20	ug/L	98
70) 1,2,4-trichlorobenzene	13.273	180	7340	2.04	ug/L	95
71) Naphthalene	13.514	128	23058	1.97	ug/L	98
72) 1,2,3-Trichlorobenzene	13.755	180	7862	2.10	ug/L	97

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

