

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091020\
 Data File : VV018185.D
 Acq On : 10 Sep 2020 17:26
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:28:56 AM

Quant Time: Sep 11 03:20:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	292516	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	290869	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147537	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102827	43.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.26%
7) Chloroethane-d5	1.58	69	90142	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.42%
11) 1,1-Dichloroethene-d2	2.12	63	156639	35.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.64%
21) 2-Butanone-d5	3.91	46	148017	101.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.44%
24) Chloroform-d	4.38	84	190100	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
26) 1,2-Dichloroethane-d4	5.06	65	130410	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
32) Benzene-d6	5.08	84	397773	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.09	67	130176	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.40%
41) Toluene-d8	7.34	98	354663	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%
43) trans-1,3-Dichloropropene-	7.64	79	60944	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.66%
47) 2-Hexanone-d5	8.11	63	92686	92.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	157090	47.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	154102	50.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4210	1.974 ug/L	99
3) Chloromethane	1.25	50	4549	1.953 ug/L	97
5) Vinyl chloride	1.32	62	4991	2.090 ug/L #	60
6) Bromomethane	1.53	94	2872	1.967 ug/L	97
8) Chloroethane	1.60	64	3151	2.106 ug/L	94
9) Trichlorofluoromethane	1.77	101	6520	1.984 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5250	2.660 ug/L #	81
12) 1,1-Dichloroethene	2.13	96	5018	2.613 ug/L #	1
13) Acetone	2.20	43	4636	3.968 ug/L	77
14) Carbon disulfide	2.31	76	11662	1.984 ug/L	99
15) Methyl Acetate	2.46	43	4163	1.983 ug/L	92
16) Methylene chloride	2.53	84	4915	2.282 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	3780	1.910 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	11334	1.851 ug/L	97
19) 1,1-Dichloroethane	3.22	63	7333	1.959 ug/L	98
20) cis-1,2-Dichloroethene	3.95	96	4293m	2.029 ug/L	
22) 2-Butanone	4.03	43	5321m	3.846 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	2149	1.941	ug/L	97
25) Chloroform	4.41	83	14940	3.927	ug/L	95
27) 1,2-Dichloroethane	5.17	62	6115	2.076	ug/L	97
29) Cyclohexane	4.71	56	6149	1.831	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	6372	1.888	ug/L	100
31) Carbon tetrachloride	4.86	117	5620	1.893	ug/L	100
33) Benzene	5.13	78	15287	1.838	ug/L	100
34) Trichloroethene	5.95	95	4705	2.077	ug/L	96
35) Methylcyclohexane	6.16	83	6657	1.952	ug/L	95
37) 1,2-Dichloropropane	6.21	63	4215	1.913	ug/L #	87
38) Bromodichloromethane	6.54	83	5373	1.874	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	6307	1.858	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	8947	3.347	ug/L	97
42) Toluene	7.41	91	16783	1.907	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	5485	1.659	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	4094	2.004	ug/L	96
46) Tetrachloroethene	8.00	164	3502	1.972	ug/L	93
48) 2-Hexanone	8.16	43	15587	7.395	ug/L	98
49) Dibromochloromethane	8.27	129	4183	1.824	ug/L	96
50) 1,2-Dibromoethane	8.38	107	4014	1.867	ug/L #	93
51) Chlorobenzene	8.90	112	11458	2.005	ug/L	97
52) Ethylbenzene	9.04	91	17158	1.786	ug/L	100
53) m,p-Xylene	9.16	106	6334	1.766	ug/L	90
54) o-xylene	9.57	106	5898	1.707	ug/L	98
55) Styrene	9.59	104	9772	1.627	ug/L	95
56) Isopropylbenzene	9.95	105	15325	1.646	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	6337	2.097	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	5126	1.978	ug/L	98
61) Bromoform	9.76	173	2648	1.671	ug/L #	93
62) 1,3-Dichlorobenzene	11.21	146	8684	1.979	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	9194	2.039	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	9570	2.158	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	936m	1.496	ug/L	
67) 1,3,5-Trichlorobenzene	12.67	180	6736	1.948	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	5552	1.803	ug/L	97
69) Naphthalene	13.53	128	10763	1.381	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	5167	1.703	ug/L	95

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

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