

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018217.D
 Acq On : 02 Sep 2020 15:49
 Operator : JC/SP
 Sample : MDL05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:54:07 AM

Quant Time: Sep 03 05:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 05:15:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	628837	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	591758	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	270604	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	255333	50.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.64%
7) Chloroethane-d5	1.70	69	198701	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.12%
11) 1,1-Dichloroethene-d2	2.34	63	393072	40.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.62%
21) 2-Butanone-d5	4.54	46	359760	102.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.42%
24) Chloroform-d	5.15	84	481967	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
26) 1,2-Dichloroethane-d4	6.03	65	355766	51.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.02%
32) Benzene-d6	6.05	84	956577	54.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.84%
36) 1,2-Dichloropropane-d6	7.37	67	308899	55.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.78%
41) Toluene-d8	8.70	98	891847	52.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	8.99	79	164009	53.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.40%
47) 2-Hexanone-d5	9.43	63	258495	105.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.56%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	388503	52.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.28%
64) 1,2-Dichlorobenzene-d4	12.36	152	336373	57.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	11227	2.099	ug/L	100
3) Chloromethane	1.31	50	9940	2.028	ug/L	89
5) Vinyl chloride	1.39	62	11869m	2.436	ug/L	
6) Bromomethane	1.64	94	6496	2.331	ug/L	97
8) Chloroethane	1.72	64	6686	2.334	ug/L	91
9) Trichlorofluoromethane	1.92	101	17008	2.103	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	13279	3.020	ug/L #	77
12) 1,1-Dichloroethene	2.36	96	11801	2.852	ug/L #	1
13) Acetone	2.43	43	9713	4.851	ug/L	96
14) Carbon disulfide	2.56	76	29157	2.225	ug/L	99
15) Methyl Acetate	2.75	43	10869	2.209	ug/L	95
16) Methylene chloride	2.84	84	12083	2.576	ug/L	97
17) trans-1,2-Dichloroethene	3.14	96	9762	2.201	ug/L	96
18) Methyl tert-butyl Ether	3.17	73	27267	1.968	ug/L #	93
19) 1,1-Dichloroethane	3.67	63	17742	2.134	ug/L	87
20) cis-1,2-Dichloroethene	4.57	96	10706	2.257	ug/L #	87
22) 2-Butanone	4.65	43	14691m	4.474	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	6158m	2.320	ug/L	
25) Chloroform	5.18	83	42869	4.507	ug/L	97
27) 1,2-Dichloroethane	6.17	62	16321	2.265	ug/L	96
29) Cyclohexane	5.56	56	13575m	2.084	ug/L	
30) 1,1,1-Trichloroethane	5.46	97	17903	2.203	ug/L	95
31) Carbon tetrachloride	5.76	117	15577	2.105	ug/L	99
33) Benzene	6.12	78	36471	2.130	ug/L	100
34) Trichloroethene	7.19	95	10607	2.207	ug/L	88
35) Methylcyclohexane	7.45	83	13698	2.050	ug/L	99
37) 1,2-Dichloropropane	7.49	63	10708	2.362	ug/L	100
38) Bromodichloromethane	7.88	83	14037	2.174	ug/L	99
39) cis-1,3-Dichloropropene	8.42	75	14572	2.061	ug/L	95
40) 4-Methyl-2-pentanone	8.62	43	24833	4.039	ug/L	98
42) Toluene	8.76	91	38593	2.100	ug/L	96
44) trans-1,3-Dichloropropene	9.02	75	14925	2.007	ug/L	96
45) 1,1,2-Trichloroethane	9.20	97	9942	2.184	ug/L	94
46) Tetrachloroethene	9.32	164	8242	2.151	ug/L	83
48) 2-Hexanone	9.48	43	20165	4.058	ug/L #	94
49) Dibromochloromethane	9.57	129	11415	2.046	ug/L	94
50) 1,2-Dibromoethane	9.65	107	11084	2.299	ug/L #	82
51) Chlorobenzene	10.12	112	25939	2.073	ug/L	90
52) Ethylbenzene	10.23	91	38858	1.897	ug/L	95
53) m,p-Xylene	10.34	106	13931	1.780	ug/L	97
54) o-xylene	10.68	106	14119	1.890	ug/L	89
55) Styrene	10.70	104	23198	1.798	ug/L	94
56) Isopropylbenzene	11.00	105	35388	1.771	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	11.25	83	15337	2.295	ug/L #	95
59) 1,2,3-Trichloropropane	11.28	75	12627	2.180	ug/L	99
61) Bromoform	10.84	173	8410	2.192	ug/L	97
62) 1,3-Dichlorobenzene	12.01	146	18258	2.054	ug/L	95
63) 1,4-Dichlorobenzene	12.08	146	19220	2.124	ug/L	88
65) 1,2-Dichlorobenzene	12.38	146	19103	2.231	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4102	2.562	ug/L	86
67) 1,3,5-Trichlorobenzene	13.15	180	11530	1.988	ug/L	93
68) 1,2,4-trichlorobenzene	13.63	180	11402	2.131	ug/L	98
69) Naphthalene	13.82	128	30249	1.788	ug/L	98
70) 1,2,3-Trichlorobenzene	14.00	180	10946	2.045	ug/L	99

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

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