

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092120\
 Data File : VX018523.D
 Acq On : 22 Sep 2020 14:28
 Operator : JC/SP
 Sample : MDL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 1:13:33 PM

Quant Time: Sep 23 02:38:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 01:46:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	584800	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	572033	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	274189	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	195388	50.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.58%
7) Chloroethane-d5	1.70	69	149548	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.88%
11) 1,1-Dichloroethene-d2	2.34	63	313606	39.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.40%
21) 2-Butanone-d5	4.54	46	276718	107.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.32%
24) Chloroform-d	5.14	84	405233	54.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.96%
26) 1,2-Dichloroethane-d4	6.03	65	295865	52.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.70%
32) Benzene-d6	6.05	84	785711	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.92%
36) 1,2-Dichloropropane-d6	7.37	67	249959	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.22%
41) Toluene-d8	8.70	98	718361	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%
43) trans-1,3-Dichloropropene-	8.99	79	132500	49.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.88%
47) 2-Hexanone-d5	9.43	63	199887	104.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.12%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	319797	51.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.42%
66) 1,2-Dichlorobenzene-d4	12.36	152	290644	54.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	11561	2.296	ug/L	89
3) Chloromethane	1.31	50	10349	2.692	ug/L	88
5) Vinyl chloride	1.39	62	11872m	2.777	ug/L	
6) Bromomethane	1.64	94	6194	2.718	ug/L	83
8) Chloroethane	1.72	64	6189	2.464	ug/L	95
9) Trichlorofluoromethane	1.92	101	17184	2.380	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	12570	3.202	ug/L #	82
12) 1,1-Dichloroethene	2.36	96	11526m	3.129	ug/L	
13) Acetone	2.44	43	8880	4.682	ug/L	100
14) Carbon disulfide	2.55	76	27621	2.466	ug/L	97
15) Methyl Acetate	2.75	43	9693	2.408	ug/L #	89
16) Methylene chloride	2.84	84	12565	3.113	ug/L	90
17) trans-1,2-Dichloroethene	3.15	96	9526	2.457	ug/L #	90
18) Methyl tert-butyl Ether	3.17	73	27079	2.168	ug/L #	88
19) 1,1-Dichloroethane	3.67	63	16411	2.277	ug/L	95
20) cis-1,2-Dichloroethene	4.57	96	11510m	2.715	ug/L	
22) 2-Butanone	4.65	43	11919	4.139	ug/L	94

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

23) Bromochloromethane	4.99	128	6096	2.614	ug/L #	74
25) Chloroform	5.17	83	37675	4.676	ug/L	96
27) 1,2-Dichloroethane	6.16	62	15042	2.333	ug/L	97
29) Cyclohexane	5.56	56	13190	2.102	ug/L #	64
30) 1,1,1-Trichloroethane	5.47	97	17092	2.224	ug/L	96
31) Carbon tetrachloride	5.76	117	16321	2.351	ug/L	96
33) Benzene	6.12	78	37795	2.355	ug/L	100
34) Trichloroethene	7.19	95	10321	2.305	ug/L	93
35) Methylcyclohexane	7.44	83	13501	2.075	ug/L	90
37) 1,2-Dichloropropane	7.49	63	10417	2.460	ug/L #	93
38) Bromodichloromethane	7.88	83	14493	2.384	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	15189	2.222	ug/L	94
40) 4-Methyl-2-pentanone	8.62	43	22521	4.010	ug/L	99
42) Toluene	8.77	91	38914	2.257	ug/L	95
44) trans-1,3-Dichloropropene	9.02	75	15352	2.207	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	9307	2.269	ug/L	95
46) Tetrachloroethene	9.32	164	9661	2.622	ug/L #	76
48) 2-Hexanone	9.47	43	19496	4.407	ug/L	98
49) Dibromochloromethane	9.56	129	11912	2.305	ug/L	99
50) 1,2-Dibromoethane	9.66	107	10578	2.345	ug/L #	87
51) Chlorobenzene	10.12	112	25848	2.232	ug/L	92
52) Ethylbenzene	10.24	91	42929	2.236	ug/L	97
53) m,p-Xylene	10.34	106	15191	2.077	ug/L	98
54) o-Xylene	10.68	106	13366	1.897	ug/L	97
55) Styrene	10.70	104	23871	1.968	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	15224	2.425	ug/L #	97
59) Bromoform	10.84	173	8396	2.322	ug/L #	91
60) Isopropylbenzene	11.01	105	37001	2.109	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	11425	2.310	ug/L	90
62) 1,3,5-Trimethylbenzene	11.49	105	27488	1.898	ug/L	95
63) 1,2,4-Trimethylbenzene	11.79	105	27584	1.870	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	18526	2.138	ug/L	83
65) 1,4-Dichlorobenzene	12.08	146	21078	2.409	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	20723	2.484	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.99	75	3748	2.583	ug/L #	78
69) 1,3,5-Trichlorobenzene	13.15	180	14267	2.482	ug/L	91
70) 1,2,4-trichlorobenzene	13.63	180	11472	2.175	ug/L	97
71) Naphthalene	13.82	128	30263	1.838	ug/L	100
72) 1,2,3-Trichlorobenzene	14.01	180	11227	2.123	ug/L	95

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

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