

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019228.D
 Acq On : 03 Nov 2020 12:40
 Operator : JC/MD
 Sample : L4485-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-04

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 10:35:36 AM

Quant Time: Nov 04 02:13:52 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Nov 04 01:20:42 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	434815	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	399203	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	186724	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	166350	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.88%
7) Chloroethane-d5	1.70	69	134287	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.62%
11) 1,1-Dichloroethene-d2	2.34	63	227188	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.56%
21) 2-Butanone-d5	4.53	46	210820	110.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.39%
24) Chloroform-d	5.14	84	282400	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	6.03	65	197355	45.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.12%
32) Benzene-d6	6.05	84	599317	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
36) 1,2-Dichloropropane-d6	7.37	67	181025	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.96%
41) Toluene-d8	8.70	98	562794	44.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%
43) trans-1,3-Dichloropropene-	8.99	79	92161	47.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.98%
47) 2-Hexanone-d5	9.43	63	170354	112.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.71%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	223463	51.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.54%
66) 1,2-Dichlorobenzene-d4	12.36	152	191000	50.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	6231	2.261 ug/L	99
3) Chloromethane	1.31	50	6848	2.446 ug/L	95
5) Vinyl chloride	1.39	62	8109	2.570 ug/L #	55
6) Bromomethane	1.64	94	5121	2.456 ug/L	100
8) Chloroethane	1.72	64	5075	2.580 ug/L	95
9) Trichlorofluoromethane	1.92	101	10818	2.311 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8103	3.001 ug/L #	79
12) 1,1-Dichloroethene	2.36	96	7545	2.879 ug/L #	1
13) Acetone	2.43	43	6042	5.119 ug/L	96
14) Carbon disulfide	2.56	76	17366	2.196 ug/L	98
15) Methyl Acetate	2.75	43	6979	2.710 ug/L	95
16) Methylene chloride	2.84	84	7596	2.600 ug/L	97
17) trans-1,2-Dichloroethene	3.15	96	6487	2.303 ug/L	90
18) Methyl tert-butyl Ether	3.17	73	20153	2.263 ug/L	96
19) 1,1-Dichloroethane	3.67	63	11442	2.286 ug/L	98
20) cis-1,2-Dichloroethene	4.56	96	7001	2.263 ug/L	99
22) 2-Butanone	4.65	43	8906	4.778 ug/L	99

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

23) Bromochloromethane	4.98	128	3471	2.227	ug/L #	93
25) Chloroform	5.17	83	22581	4.298	ug/L	98
27) 1,2-Dichloroethane	6.16	62	10245	2.477	ug/L	100
29) Cyclohexane	5.54	56	10210	2.222	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	10936	2.272	ug/L	100
31) Carbon tetrachloride	5.75	117	9067m	2.193	ug/L	
33) Benzene	6.12	78	27354	2.387	ug/L	100
34) Trichloroethene	7.19	95	7232	2.312	ug/L	95
35) Methylcyclohexane	7.44	83	10337	2.088	ug/L	98
37) 1,2-Dichloropropane	7.49	63	6509	2.286	ug/L #	97
38) Bromodichloromethane	7.87	83	8680	2.192	ug/L	97
39) cis-1,3-Dichloropropene	8.42	75	10520	2.224	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	17347	4.982	ug/L	99
42) Toluene	8.76	91	36907	2.960	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	9677	2.100	ug/L	91
45) 1,1,2-Trichloroethane	9.20	97	6377	2.280	ug/L	98
46) Tetrachloroethene	9.32	164	5060	2.144	ug/L	97
48) 2-Hexanone	9.48	43	15580	5.679	ug/L	97
49) Dibromochloromethane	9.56	129	6638	2.170	ug/L	97
50) 1,2-Dibromoethane	9.65	107	6854	2.343	ug/L	95
51) Chlorobenzene	10.12	112	18272	2.357	ug/L	96
52) Ethylbenzene	10.23	91	31336	2.325	ug/L	100
53) m,p-Xylene	10.34	106	11642	2.299	ug/L	97
54) o-Xylene	10.68	106	10949	2.233	ug/L	97
55) Styrene	10.70	104	17089	2.066	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	9896	2.582	ug/L #	98
59) Bromoform	10.84	173	4268	2.110	ug/L	99
60) Isopropylbenzene	11.00	105	29074	2.294	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	8331	2.619	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	22927	2.199	ug/L	96
63) 1,2,4-Trimethylbenzene	11.79	105	22422	2.274	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	12428	2.272	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	13106	2.361	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	12576	2.374	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.98	75	1980	2.286	ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	7868	2.053	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	6940	1.965	ug/L	97
71) Naphthalene	13.82	128	23399	2.049	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	7215	2.088	ug/L	99

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

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