

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110220\
 Data File : VX019215.D
 Acq On : 02 Nov 2020 16:41
 Operator : JC/MD
 Sample : L4485-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:41:04 AM

Quant Time: Nov 03 07:53:42 2020

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

Quant Title : VOC Analysis

QLast Update : Mon Nov 02 14:52:07 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	421125	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	394150	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	185924	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	169809	46.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.68%
7) Chloroethane-d5	1.70	69	135855	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.94%
11) 1,1-Dichloroethene-d2	2.34	63	225087	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	4.53	46	213958	115.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.68%
24) Chloroform-d	5.14	84	279624	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	6.03	65	194464	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
32) Benzene-d6	6.05	84	593014	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
36) 1,2-Dichloropropane-d6	7.37	67	178142	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.62%
41) Toluene-d8	8.70	98	545018	43.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.76%
43) trans-1,3-Dichloropropene-	8.99	79	92488	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.54%
47) 2-Hexanone-d5	9.43	63	170436	114.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.21%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	222578	52.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.44%
66) 1,2-Dichlorobenzene-d4	12.36	152	184807	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	4807	1.801 ug/L	98
3) Chloromethane	1.31	50	6699	2.471 ug/L	98
5) Vinyl chloride	1.39	62	7255	2.374 ug/L #	56
6) Bromomethane	1.64	94	4971	2.461 ug/L	100
8) Chloroethane	1.71	64	4832	2.537 ug/L	98
9) Trichlorofluoromethane	1.92	101	8916	1.966 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	6601	2.524 ug/L #	75
12) 1,1-Dichloroethene	2.36	96	6831	2.692 ug/L #	1
13) Acetone	2.43	43	6074	5.314 ug/L	99
14) Carbon disulfide	2.56	76	16864	2.202 ug/L	98
15) Methyl Acetate	2.75	43	6759	2.710 ug/L	99
16) Methylene chloride	2.84	84	7148	2.526 ug/L	96
17) trans-1,2-Dichloroethene	3.15	96	6414	2.351 ug/L	92
18) Methyl tert-butyl Ether	3.17	73	20857	2.418 ug/L	97
19) 1,1-Dichloroethane	3.67	63	11103	2.290 ug/L	97
20) cis-1,2-Dichloroethene	4.56	96	7163	2.390 ug/L	93
22) 2-Butanone	4.64	43	10373	5.746 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	3618	2.397	ug/L	94
25) Chloroform	5.17	83	19972	3.925	ug/L	99
27) 1,2-Dichloroethane	6.16	62	9960	2.486	ug/L	99
29) Cyclohexane	5.56	56	7764	1.711	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	10094m	2.124	ug/L	
31) Carbon tetrachloride	5.76	117	7728	1.893	ug/L	98
33) Benzene	6.12	78	24735	2.186	ug/L	100
34) Trichloroethene	7.19	95	6555	2.122	ug/L	96
35) Methylcyclohexane	7.43	83	7964	1.629	ug/L	97
37) 1,2-Dichloropropane	7.49	63	6084	2.165	ug/L #	97
38) Bromodichloromethane	7.87	83	8427	2.156	ug/L #	95
39) cis-1,3-Dichloropropene	8.41	75	10251	2.195	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	17092	4.972	ug/L	99
42) Toluene	8.76	91	34286	2.785	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	10514	2.311	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	6644	2.406	ug/L	97
46) Tetrachloroethene	9.31	164	4600	1.974	ug/L	94
48) 2-Hexanone	9.47	43	16292	6.015	ug/L	97
49) Dibromochloromethane	9.56	129	6491	2.149	ug/L	88
50) 1,2-Dibromoethane	9.65	107	6705	2.322	ug/L	99
51) Chlorobenzene	10.12	112	16939	2.213	ug/L	97
52) Ethylbenzene	10.24	91	28308	2.127	ug/L	99
53) m,p-Xylene	10.34	106	10445	2.089	ug/L	91
54) o-Xylene	10.68	106	10272	2.122	ug/L	96
55) Styrene	10.69	104	16541	2.026	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	10309	2.724	ug/L #	95
59) Bromoform	10.84	173	4165	2.068	ug/L	97
60) Isopropylbenzene	11.00	105	25077	1.987	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	8294	2.619	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	20339	1.959	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	20854	2.124	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	11763	2.159	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	12756	2.308	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	12271	2.326	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.98	75	1788	2.073	ug/L	92
69) 1,3,5-Trichlorobenzene	13.15	180	7730	2.026	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	7576	2.154	ug/L	98
71) Naphthalene	13.82	128	23469	2.064	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	7293	2.119	ug/L	98

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

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