

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008392.D
 Acq On : 24 Oct 2018 15:03
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:40:44 PM

Quant Time: Oct 25 09:10:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 08:48:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	196476	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	178565	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75508	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48562	44.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.28%
7) Chloroethane-d5	1.57	69	37673	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.13	63	66778	33.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.98%
21) 2-Butanone-d5	3.93	46	116006	98.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.12%
24) Chloroform-d	4.41	84	122880	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.09	65	85819	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
32) Benzene-d6	5.10	84	247104	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.12%
36) 1,2-Dichloropropane-d6	6.12	67	85289	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.36	98	222719	48.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.67	79	41104	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
47) 2-Hexanone-d5	8.14	63	90399	98.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	115648	48.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.68%
64) 1,2-Dichlorobenzene-d4	11.68	152	75426	48.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1710	1.219 ug/L	97
3) Chloromethane	1.25	50	2344	1.560 ug/L	99
5) Vinyl chloride	1.33	62	1995	1.433 ug/L #	33
6) Bromomethane	1.52	94	692	1.811 ug/L	78
8) Chloroethane	1.59	64	2432	3.324 ug/L	85
9) Trichlorofluoromethane	1.76	101	2309	1.288 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1770	1.890 ug/L #	71
12) 1,1-Dichloroethene	2.14	96	1778	2.017 ug/L #	1
13) Acetone	2.19	43	3044	3.318 ug/L	96
14) Carbon disulfide	2.32	76	6065	1.528 ug/L	100
15) Methyl Acetate	2.46	43	2646m	1.446 ug/L	
16) Methylene chloride	2.54	84	2274	1.489 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	1995	1.485 ug/L	94
18) Methyl tert-butyl Ether	2.81	73	6493	1.350 ug/L	94
19) 1,1-Dichloroethane	3.23	63	3669	1.324 ug/L	96
20) cis-1,2-Dichloroethene	3.97	96	2176	1.421 ug/L	98
22) 2-Butanone	4.03	43	3492	2.634 ug/L	77

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

23) Bromochloromethane	4.31	128	980	1.357	ug/L #	90
25) Chloroform	4.44	83	4070m	1.504	ug/L	
27) 1,2-Dichloroethane	5.18	62	3289	1.455	ug/L #	94
29) Cyclohexane	4.73	56	3168	1.219	ug/L	97
30) 1,1,1-Trichloroethane	4.67	97	3177m	1.372	ug/L	
31) Carbon tetrachloride	4.88	117	2439	1.241	ug/L	97
33) Benzene	5.15	78	7937	1.360	ug/L	100
34) Trichloroethene	5.97	95	2213	1.481	ug/L	94
35) Methylcyclohexane	6.18	83	2844	1.119	ug/L	96
37) 1,2-Dichloropropane	6.23	63	2517	1.561	ug/L #	89
38) Bromodichloromethane	6.56	83	2693	1.311	ug/L #	98
39) cis-1,3-Dichloropropene	7.08	75	3220	1.271	ug/L	94
40) 4-Methyl-2-pentanone	7.28	43	6829	2.861	ug/L #	94
42) Toluene	7.44	91	8252	1.361	ug/L	93
44) trans-1,3-Dichloropropene	7.70	75	3340	1.409	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	1809	1.269	ug/L	98
46) Tetrachloroethene	8.02	164	1338	1.373	ug/L	90
48) 2-Hexanone	8.19	43	5629	3.056	ug/L #	95
49) Dibromochloromethane	8.29	129	2077	1.356	ug/L	97
50) 1,2-Dibromoethane	8.40	107	2116	1.415	ug/L #	85
51) Chlorobenzene	8.93	112	4956	1.328	ug/L	94
52) Ethylbenzene	9.06	91	8984	1.323	ug/L	99
53) m,p-Xylene	9.18	106	3112	1.254	ug/L	98
54) o-xylene	9.59	106	3139	1.267	ug/L	99
55) Styrene	9.61	104	5521	1.322	ug/L	96
56) Isopropylbenzene	9.98	105	7981	1.231	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.29	83	3948	1.582	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2590	1.282	ug/L	93
61) Bromoform	9.78	173	1174	1.232	ug/L #	89
62) 1,3-Dichlorobenzene	11.23	146	3348	1.341	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	3394	1.356	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	3521	1.383	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	671m	1.282	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	1666	1.022	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	1072	0.813	ug/L	94
69) Naphthalene	13.56	128	3109	0.729	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	1106	0.839	ug/L	98

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

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