

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008403.D
 Acq On : 24 Oct 2018 19:47
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL05

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:41:14 PM

Quant Time: Oct 25 09:29:00 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 25 09:16:23 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	194598	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176370	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44436	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.48%
7) Chloroethane-d5	1.56	69	35479	45.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.22%
11) 1,1-Dichloroethene-d2	2.13	63	63751	32.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.52%
21) 2-Butanone-d5	3.93	46	116946	99.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.87%
24) Chloroform-d	4.41	84	118070	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.86%
26) 1,2-Dichloroethane-d4	5.09	65	83420	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
32) Benzene-d6	5.10	84	234090	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
36) 1,2-Dichloropropane-d6	6.12	67	81364	46.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.28%
41) Toluene-d8	7.36	98	208281	45.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.28%
43) trans-1,3-Dichloropropene-	7.67	79	39051	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
47) 2-Hexanone-d5	8.14	63	87231	95.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	115082	48.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.42%
64) 1,2-Dichlorobenzene-d4	11.68	152	71519	47.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3745	2.695 ug/L	98
3) Chloromethane	1.25	50	4312	2.897 ug/L	99
5) Vinyl chloride	1.33	62	3858	2.797 ug/L #	75
6) Bromomethane	1.52	94	1133	2.994 ug/L	92
8) Chloroethane	1.59	64	2614	3.608 ug/L	93
9) Trichlorofluoromethane	1.76	101	4934	2.780 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3012	3.248 ug/L	93
12) 1,1-Dichloroethene	2.14	96	3065	3.510 ug/L #	1
13) Acetone	2.19	43	5122	5.636 ug/L	95
14) Carbon disulfide	2.32	76	11142	2.833 ug/L	99
15) Methyl Acetate	2.46	43	5759	3.178 ug/L	96
16) Methylene chloride	2.54	84	4312	2.851 ug/L	96
17) trans-1,2-Dichloroethene	2.80	96	3772	2.834 ug/L	94
18) Methyl tert-butyl Ether	2.81	73	13824	2.902 ug/L	99
19) 1,1-Dichloroethane	3.23	63	7535	2.745 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	4212	2.778 ug/L	93
22) 2-Butanone	4.03	43	6382	4.861 ug/L	94

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

23) Bromochloromethane	4.31	128	1874m	2.621	ug/L	
25) Chloroform	4.43	83	8235	3.073	ug/L	91
27) 1,2-Dichloroethane	5.19	62	6820	3.047	ug/L #	94
29) Cyclohexane	4.73	56	7239	2.819	ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	6550	2.864	ug/L	95
31) Carbon tetrachloride	4.88	117	5062	2.608	ug/L	97
33) Benzene	5.15	78	17100	2.966	ug/L	100
34) Trichloroethene	5.96	95	4222	2.860	ug/L	97
35) Methylcyclohexane	6.18	83	6850	2.730	ug/L	96
37) 1,2-Dichloropropane	6.23	63	4839	3.039	ug/L #	89
38) Bromodichloromethane	6.56	83	5295	2.610	ug/L	92
39) cis-1,3-Dichloropropene	7.08	75	7352	2.937	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	13353	5.663	ug/L	99
42) Toluene	7.44	91	17393	2.904	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	6975	2.978	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3963	2.815	ug/L	98
46) Tetrachloroethene	8.02	164	2700	2.806	ug/L	95
48) 2-Hexanone	8.19	43	10353	5.690	ug/L	97
49) Dibromochloromethane	8.29	129	3838	2.537	ug/L	91
50) 1,2-Dibromoethane	8.40	107	4021	2.723	ug/L #	93
51) Chlorobenzene	8.93	112	10657	2.890	ug/L	97
52) Ethylbenzene	9.06	91	18966	2.827	ug/L	100
53) m,p-Xylene	9.19	106	6744	2.752	ug/L	91
54) o-xylene	9.59	106	6982	2.853	ug/L	96
55) Styrene	9.61	104	11212	2.719	ug/L	99
56) Isopropylbenzene	9.98	105	17315	2.704	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	7440	3.018	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	5640	2.826	ug/L	96
61) Bromoform	9.78	173	2684	2.884	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	6858	2.812	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	6808	2.785	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	7283	2.929	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	1422	2.781	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.70	180	4038	2.536	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2364	1.835	ug/L	96
69) Naphthalene	13.56	128	6505	1.561	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.80	180	2583	2.006	ug/L	93

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

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