

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102918\
 Data File : VU027863.D
 Acq On : 29 Oct 2018 17:59
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05009

Quant Time: Oct 30 02:32:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 30 02:27:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	111893	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	107659	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52981	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33381	38.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.68%
7) Chloroethane-d5	1.68	69	26548	39.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.22%
11) 1,1-Dichloroethene-d2	2.28	63	66591	42.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.94%
21) 2-Butanone-d5	4.18	46	64567	87.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.03%
24) Chloroform-d	4.65	84	67789	43.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.62%
26) 1,2-Dichloroethane-d4	5.31	65	46392	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.62%
32) Benzene-d6	5.34	84	127104	41.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.92%
36) 1,2-Dichloropropane-d6	6.33	67	45762	41.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.62%
41) Toluene-d8	7.57	98	119217	42.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.30%
43) trans-1,3-Dichloropropene-	7.85	79	21590	40.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.24%
47) 2-Hexanone-d5	8.31	63	48813	87.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60431	42.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	45911	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	43889	48.26	ug/L	99
3) Chloromethane	1.33	50	46329	43.49	ug/L	99
5) Vinyl chloride	1.40	62	46944	46.46	ug/L	93
6) Bromomethane	1.63	94	12904	25.33	ug/L	98
8) Chloroethane	1.70	64	26437	48.47	ug/L	100
9) Trichlorofluoromethane	1.89	101	61826	50.78	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	32418	48.63	ug/L	100
12) 1,1-Dichloroethene	2.29	96	30565	49.02	ug/L	92
13) Acetone	2.32	43	46477	89.93	ug/L	99
14) Carbon disulfide	2.48	76	100252	46.18	ug/L	99
15) Methyl Acetate	2.62	43	53690	49.37	ug/L	99
16) Methylene chloride	2.70	84	38604	50.12	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	34214	49.61	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	129483	50.23	ug/L	99
19) 1,1-Dichloroethane	3.45	63	76139	50.87	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	41836	51.27	ug/L	94
22) 2-Butanone	4.26	43	76435	99.40	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	19776	51.91	ug/L	94
25) Chloroform	4.68	83	75789	52.18	ug/L	97
27) 1,2-Dichloroethane	5.41	62	64309	51.02	ug/L	100
29) Cyclohexane	5.00	56	73153	47.41	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	65026	49.83	ug/L	99
31) Carbon tetrachloride	5.14	117	55578	47.33	ug/L	98
33) Benzene	5.39	78	160331	50.06	ug/L	100
34) Trichloroethene	6.19	95	40584	50.62	ug/L	96
35) Methylcyclohexane	6.42	83	66777	48.16	ug/L	98
37) 1,2-Dichloropropane	6.43	63	47680	50.39	ug/L	100
38) Bromodichloromethane	6.76	83	58597	49.83	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	70305	48.25	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	150360	98.86	ug/L	99
42) Toluene	7.64	91	167387	49.90	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	65350	47.41	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	40391	51.67	ug/L	98
46) Tetrachloroethene	8.23	164	31102	50.23	ug/L	96
48) 2-Hexanone	8.36	43	115279	97.74	ug/L	96
49) Dibromochloromethane	8.48	129	44471	48.01	ug/L	97
50) 1,2-Dibromoethane	8.59	107	42705	51.19	ug/L	98
51) Chlorobenzene	9.12	112	102541	49.87	ug/L	99
52) Ethylbenzene	9.25	91	190051	50.09	ug/L	99
53) m,p-Xylene	9.38	106	67716	49.41	ug/L	97
54) o-xylene	9.78	106	69042	50.53	ug/L	99
55) Styrene	9.79	104	116604	50.14	ug/L	97
56) Isopropylbenzene	10.17	105	184780	51.07	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	70613	50.80	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	55271	49.42	ug/L	98
61) Bromoform	9.96	173	33153	46.94	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	80559	50.71	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	82697	51.05	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	82017	50.19	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	16000	46.99	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	61029	49.67	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	56633	51.92	ug/L	100
69) Naphthalene	13.74	128	181722	51.58	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	58427	51.25	ug/L	99

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

