

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101518\
 Data File : VU027662.D
 Acq On : 15 Oct 2018 13:19
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Oct 16 05:53:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 13 04:07:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	197888	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176318	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82998	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58036	37.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.54%
7) Chloroethane-d5	1.68	69	49681	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.82%
11) 1,1-Dichloroethene-d2	2.28	63	122088	41.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.58%
21) 2-Butanone-d5	4.18	46	118327	94.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.12%
24) Chloroform-d	4.65	84	116236	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
26) 1,2-Dichloroethane-d4	5.31	65	78419	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.86%
32) Benzene-d6	5.34	84	224737	44.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.94%
36) 1,2-Dichloropropane-d6	6.33	67	80119	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.58%
41) Toluene-d8	7.57	98	196949	43.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.85	79	36243	43.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.90%
47) 2-Hexanone-d5	8.31	63	78139	89.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	103320	45.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	71387	43.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	90149	45.937	ug/L	100
3) Chloromethane	1.33	50	105022	46.573	ug/L	99
5) Vinyl chloride	1.40	62	98223	44.576	ug/L	99
6) Bromomethane	1.62	94	45015	46.747	ug/L	98
8) Chloroethane	1.70	64	55550	42.066	ug/L	99
9) Trichlorofluoromethane	1.89	101	105612	47.883	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	61551	47.005	ug/L	99
12) 1,1-Dichloroethene	2.28	96	55459	43.386	ug/L	85
13) Acetone	2.32	43	100382	97.349	ug/L	99
14) Carbon disulfide	2.48	76	186215	39.658	ug/L	99
15) Methyl Acetate	2.62	43	98976	47.900	ug/L	99
16) Methylene chloride	2.70	84	71426	46.006	ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	60954	43.061	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	217237	46.156	ug/L	99
19) 1,1-Dichloroethane	3.45	63	139874	47.855	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	70041	44.604	ug/L	96
22) 2-Butanone	4.26	43	139983	94.835	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	34171	47.719	ug/L	95
25) Chloroform	4.67	83	132813	47.038	ug/L	99
27) 1,2-Dichloroethane	5.40	62	109321	48.209	ug/L	99
29) Cyclohexane	5.00	56	125245	46.831	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	107867	51.132	ug/L	99
31) Carbon tetrachloride	5.14	117	90665	51.096	ug/L	100
33) Benzene	5.39	78	284627	49.124	ug/L	100
34) Trichloroethene	6.19	95	64588	46.352	ug/L	99
35) Methylcyclohexane	6.42	83	111695	46.134	ug/L	97
37) 1,2-Dichloropropane	6.43	63	85895	51.168	ug/L	99
38) Bromodichloromethane	6.76	83	97278	50.996	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	117601	47.677	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	252155	102.578	ug/L	98
42) Toluene	7.64	91	283140	48.703	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	108817	47.527	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	65433	48.557	ug/L	99
46) Tetrachloroethene	8.23	164	45194	43.641	ug/L	99
48) 2-Hexanone	8.36	43	193883	99.886	ug/L	98
49) Dibromochloromethane	8.48	129	67325	47.914	ug/L	98
50) 1,2-Dibromoethane	8.59	107	64041	44.796	ug/L	99
51) Chlorobenzene	9.12	112	161181	43.854	ug/L	99
52) Ethylbenzene	9.25	91	290349	44.980	ug/L	99
53) m,p-Xylene	9.38	106	104559	44.255	ug/L	96
54) o-xylene	9.78	106	104384	45.861	ug/L	99
55) Styrene	9.79	104	181136	46.473	ug/L	99
56) Isopropylbenzene	10.17	105	273659	45.879	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	111163	47.082	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	92906	48.885	ug/L	99
61) Bromoform	9.96	173	46440	49.244	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	112785	43.662	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	118989	44.161	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	125353	47.670	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	25453	52.215	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	89339	44.764	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	73411	39.999	ug/L	98
69) Naphthalene	13.74	128	263038	46.479	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	83571	44.777	ug/L	98

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

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