

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122418\
 Data File : VU028932.D
 Acq On : 24 Dec 2018 08:59
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Dec 24 23:57:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 22 01:55:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	272519	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	255811	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	127252	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	86287	39.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.98%
7) Chloroethane-d5	1.67	69	71337	42.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.54%
11) 1,1-Dichloroethene-d2	2.27	63	169693	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
21) 2-Butanone-d5	4.17	46	132281	86.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.42%
24) Chloroform-d	4.64	84	164422	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	5.31	65	98350	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
32) Benzene-d6	5.34	84	349360	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.33	67	114794	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.52%
41) Toluene-d8	7.56	98	333697	50.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.90%
43) trans-1,3-Dichloropropene-	7.85	79	54784	49.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.60%
47) 2-Hexanone-d5	8.31	63	113296	97.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	162828	47.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	130653	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	102637	46.188	ug/L 99
3) Chloromethane	1.33	50	112817	37.336	ug/L 97
5) Vinyl chloride	1.40	62	116612	43.685	ug/L 99
6) Bromomethane	1.61	94	54455	47.891	ug/L 100
8) Chloroethane	1.69	64	69434	45.570	ug/L 96
9) Trichlorofluoromethane	1.88	101	142264	52.116	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	92889	52.594	ug/L 97
12) 1,1-Dichloroethene	2.28	96	87494	50.073	ug/L 87
13) Acetone	2.32	43	145432	93.230	ug/L 98
14) Carbon disulfide	2.48	76	264672	43.376	ug/L 100
15) Methyl Acetate	2.61	43	96819	39.811	ug/L 94
16) Methylene chloride	2.70	84	99977	46.397	ug/L 91
17) trans-1,2-Dichloroethene	2.98	96	90434	47.771	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	281419	48.344	ug/L 96
19) 1,1-Dichloroethane	3.44	63	164414	44.678	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	104603	48.779	ug/L 89
22) 2-Butanone	4.26	43	167719	88.293	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	50107	49.015	ug/L	86
25) Chloroform	4.67	83	163439	46.663	ug/L	99
27) 1,2-Dichloroethane	5.40	62	119388	45.865	ug/L	98
29) Cyclohexane	4.99	56	155566	45.691	ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	134045	49.508	ug/L	97
31) Carbon tetrachloride	5.13	117	110408	50.567	ug/L	99
33) Benzene	5.39	78	384996	47.273	ug/L	100
34) Trichloroethene	6.18	95	95439	48.540	ug/L	95
35) Methylcyclohexane	6.41	83	162427	49.600	ug/L	94
37) 1,2-Dichloropropane	6.43	63	103364	45.404	ug/L	99
38) Bromodichloromethane	6.75	83	122351	48.532	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	160433	49.431	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	256847	83.939	ug/L	95
42) Toluene	7.64	91	410742	49.753	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	143030	49.438	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	95755	49.194	ug/L	97
46) Tetrachloroethene	8.22	164	79131	52.256	ug/L	99
48) 2-Hexanone	8.36	43	225026	89.599	ug/L	95
49) Dibromochloromethane	8.48	129	99092	51.109	ug/L	99
50) 1,2-Dibromoethane	8.58	107	102394	50.560	ug/L	97
51) Chlorobenzene	9.12	112	262778	50.505	ug/L	99
52) Ethylbenzene	9.25	91	445031	50.169	ug/L	97
53) m,p-Xylene	9.37	106	172743	52.661	ug/L	96
54) o-xylene	9.78	106	168817	51.348	ug/L	99
55) Styrene	9.79	104	288518	51.816	ug/L	99
56) Isopropylbenzene	10.16	105	432800	51.894	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	165953	46.931	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	126577	46.591	ug/L	100
61) Bromoform	9.96	173	77483	49.119	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	204637	50.623	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	207309	49.777	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	208128	49.357	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	32883	45.208	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	152859	51.287	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	134849	54.030	ug/L	98
69) Naphthalene	13.74	128	441968	51.005	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	137068	50.931	ug/L	100

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

