

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102618\
 Data File : VU027818.D
 Acq On : 26 Oct 2018 08:20
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: Oct 27 01:40:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 26 02:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	90538	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	84743	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	43327	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28151	39.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.92%
7) Chloroethane-d5	1.68	69	22472	41.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.86%
11) 1,1-Dichloroethene-d2	2.28	63	56582	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.20%
21) 2-Butanone-d5	4.18	46	58572	97.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.57%
24) Chloroform-d	4.65	84	59224	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
26) 1,2-Dichloroethane-d4	5.31	65	43021	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
32) Benzene-d6	5.34	84	106046	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.33	67	38607	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.62%
41) Toluene-d8	7.57	98	98905	44.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.86%
43) trans-1,3-Dichloropropene-	7.85	79	19213	45.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.84%
47) 2-Hexanone-d5	8.31	63	41469	94.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52062	46.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	38925	43.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	38058	51.724	ug/L 98
3) Chloromethane	1.33	50	39354	45.658	ug/L 98
5) Vinyl chloride	1.40	62	37584	45.969	ug/L 97
6) Bromomethane	1.62	94	16049	38.930	ug/L 95
8) Chloroethane	1.70	64	20928	47.425	ug/L 98
9) Trichlorofluoromethane	1.89	101	52014	52.800	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	26152	48.480	ug/L 98
12) 1,1-Dichloroethene	2.29	96	23577	46.734	ug/L 92
13) Acetone	2.32	43	48240	115.361	ug/L 96
14) Carbon disulfide	2.48	76	78871	44.899	ug/L 99
15) Methyl Acetate	2.62	43	41447	47.098	ug/L 99
16) Methylene chloride	2.70	84	29246	46.930	ug/L 92
17) trans-1,2-Dichloroethene	2.98	96	26140	46.840	ug/L 89
18) Methyl tert-butyl Ether	3.00	73	101376	48.601	ug/L 99
19) 1,1-Dichloroethane	3.45	63	60564	50.011	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	30364	45.992	ug/L 91
22) 2-Butanone	4.26	43	66216	106.420	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	14689	47.649	uq/L	92
25) Chloroform	4.67	83	60588	51.554	uq/L	98
27) 1,2-Dichloroethane	5.40	62	54113	53.056	uq/L	97
29) Cyclohexane	5.00	56	58867	48.463	uq/L	99
30) 1,1,1-Trichloroethane	4.92	97	53386	51.973	uq/L	98
31) Carbon tetrachloride	5.14	117	46275	50.062	uq/L	97
33) Benzene	5.39	78	124349	49.325	uq/L	100
34) Trichloroethene	6.19	95	31785	50.363	uq/L	99
35) Methylcyclohexane	6.42	83	52754	48.332	uq/L	99
37) 1,2-Dichloropropane	6.43	63	36619	49.162	uq/L #	94
38) Bromodichloromethane	6.76	83	47179	50.970	uq/L	96
39) cis-1,3-Dichloropropene	7.27	75	57683	50.294	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	117812	98.411	uq/L	98
42) Toluene	7.64	91	131313	49.737	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	54718	50.435	uq/L	98
45) 1,1,2-Trichloroethane	8.07	97	30485	49.548	uq/L	98
46) Tetrachloroethene	8.23	164	24579	50.429	uq/L	96
48) 2-Hexanone	8.36	43	95472	102.836	uq/L	99
49) Dibromochloromethane	8.48	129	34818	47.758	uq/L	100
50) 1,2-Dibromoethane	8.59	107	33286	50.688	uq/L	95
51) Chlorobenzene	9.12	112	79500	49.116	uq/L	96
52) Ethylbenzene	9.25	91	150892	50.525	uq/L	100
53) m,p-Xylene	9.38	106	54664	50.668	uq/L	99
54) o-xylene	9.78	106	53794	50.021	uq/L	99
55) Styrene	9.79	104	92146	50.339	uq/L	100
56) Isopropylbenzene	10.17	105	145003	50.913	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	54982	50.253	uq/L	96
59) 1,2,3-Trichloropropane	10.49	75	44574	50.635	uq/L	98
61) Bromoform	9.96	173	26485	45.856	uq/L	97
62) 1,3-Dichlorobenzene	11.42	146	63070	48.546	uq/L	94
63) 1,4-Dichlorobenzene	11.51	146	64570	48.742	uq/L	97
65) 1,2-Dichlorobenzene	11.88	146	65737	49.195	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	12672	45.511	uq/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	50220	49.980	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	45095	50.553	uq/L	98
69) Naphthalene	13.74	128	140657	48.821	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	45995	49.336	uq/L	99

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

