

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091918\
 Data File : VU026896.D
 Acq On : 19 Sep 2018 13:52
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 6:07:23 PM

Quant Time: Sep 20 04:24:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 20 02:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	247290	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	235387	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	122164	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61400	33.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.12%
7) Chloroethane-d5	1.67	69	61453m	39.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.50%
11) 1,1-Dichloroethene-d2	2.27	63	137760	39.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.60%
21) 2-Butanone-d5	4.18	46	132389	109.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.06%
24) Chloroform-d	4.65	84	156878	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
26) 1,2-Dichloroethane-d4	5.31	65	98568	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
32) Benzene-d6	5.34	84	287394	43.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.14%
36) 1,2-Dichloropropane-d6	6.33	67	99802	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.90%
41) Toluene-d8	7.57	98	253030	42.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.92%
43) trans-1,3-Dichloropropene-	7.85	79	42887	45.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.38%
47) 2-Hexanone-d5	8.31	63	94994	113.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	151008	50.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	116208	45.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	116069	49.664	ug/L	99
3) Chloromethane	1.33	50	121761	51.076	ug/L	99
5) Vinyl chloride	1.40	62	117314	50.566	ug/L	100
6) Bromomethane	1.62	94	50528	44.096	ug/L	99
8) Chloroethane	1.69	64	72457	49.838	ug/L	99
9) Trichlorofluoromethane	1.88	101	149618	51.905	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	86379	50.588	ug/L	99
12) 1,1-Dichloroethene	2.28	96	79739	49.724	ug/L	87
13) Acetone	2.32	43	107392	90.005	ug/L	99
14) Carbon disulfide	2.48	76	266212	48.105	ug/L	99
15) Methyl Acetate	2.61	43	107694	52.094	ug/L	100
16) Methylene chloride	2.70	84	101645	49.861	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	87880	49.757	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	274155	53.081	ug/L	100
19) 1,1-Dichloroethane	3.45	63	173971	51.070	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	97999	50.450	ug/L	98
22) 2-Butanone	4.26	43	144991	98.538	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	52142	49.715	uq/L	98
25) Chloroform	4.67	83	172393	49.964	uq/L	98
27) 1,2-Dichloroethane	5.40	62	136270	50.611	uq/L	99
29) Cyclohexane	5.00	56	148788	54.440	uq/L	100
30) 1,1,1-Trichloroethane	4.92	97	144257	51.514	uq/L	100
31) Carbon tetrachloride	5.13	117	128274	51.116	uq/L	100
33) Benzene	5.39	78	383789	52.589	uq/L	100
34) Trichloroethene	6.19	95	89581	51.153	uq/L	99
35) Methylcyclohexane	6.42	83	153649	53.824	uq/L	98
37) 1,2-Dichloropropane	6.43	63	104851	52.302	uq/L	100
38) Bromodichloromethane	6.76	83	127098	51.123	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	146954	51.893	uq/L	98
40) 4-Methyl-2-pentanone	7.46	43	259442	108.915	uq/L	100
42) Toluene	7.64	91	395358	53.533	uq/L	100
44) trans-1,3-Dichloropropene	7.88	75	137431	51.831	uq/L	98
45) 1,1,2-Trichloroethane	8.07	97	94540	51.726	uq/L	99
46) Tetrachloroethene	8.23	164	81668	52.606	uq/L	99
48) 2-Hexanone	8.36	43	202189	105.228	uq/L	100
49) Dibromochloromethane	8.48	129	104602	50.559	uq/L	98
50) 1,2-Dibromoethane	8.59	107	96957	50.884	uq/L	98
51) Chlorobenzene	9.12	112	257043	51.294	uq/L	99
52) Ethylbenzene	9.25	91	417115	53.919	uq/L	99
53) m,p-Xylene	9.38	106	166565	56.008	uq/L	99
54) o-xylene	9.78	106	160647	55.440	uq/L	97
55) Styrene	9.79	104	280005	55.970	uq/L	99
56) Isopropylbenzene	10.17	105	414084	55.944	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	155733	50.659	uq/L	98
59) 1,2,3-Trichloropropane	10.49	75	120270	50.085	uq/L	99
61) Bromoform	9.96	173	76788	47.799	uq/L	98
62) 1,3-Dichlorobenzene	11.42	146	190857	51.249	uq/L	100
63) 1,4-Dichlorobenzene	11.51	146	201073	49.033	uq/L	98
65) 1,2-Dichlorobenzene	11.88	146	211178	51.212	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	29650	47.396	uq/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	150547	52.239	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	127919	51.509	uq/L	99
69) Naphthalene	13.75	128	401266	54.846	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	146504	53.571	uq/L	99

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

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