

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081619\
 Data File : VU033810.D
 Acq On : 15 Aug 2019 15:03
 Operator : JC/SP
 Sample : VSTD01035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01035

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:32:39 AM

Quant Time: Aug 16 02:01:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 01:44:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	361998	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	364980	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	184883	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	32926	11.86	ug/L	0.00
7) Chloroethane-d5	1.67	69	27536	9.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	56295	12.12	ug/L	0.00
21) 2-Butanone-d5	4.16	46	32473	19.54	ug/L	0.00
24) Chloroform-d	4.62	84	52809	12.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	33926	12.93	ug/L	0.00
32) Benzene-d6	5.32	84	98617	11.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	33342	12.08	ug/L	0.00
41) Toluene-d8	7.55	98	89178	10.64	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	14605	10.67	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	19944	14.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	45777	11.34	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	37094	11.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	38172	13.527 ug/L	97
3) Chloromethane	1.32	50	39682	13.654 ug/L	99
5) Vinyl chloride	1.39	62	43325	13.371 ug/L	99
6) Bromomethane	1.62	94	27757	10.432 ug/L	100
8) Chloroethane	1.69	64	27197	11.391 ug/L	93
9) Trichlorofluoromethane	1.87	101	57713	13.267 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	28063	12.493 ug/L	99
12) 1,1-Dichloroethene	2.27	96	26903	12.185 ug/L	96
13) Acetone	2.31	43	37992	22.675 ug/L	100
14) Carbon disulfide	2.46	76	85205	13.436 ug/L	100
15) Methyl Acetate	2.60	43	30131	10.831 ug/L	95
16) Methylene chloride	2.68	84	31472	12.382 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	27231	11.619 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	75821	10.067 ug/L	99
19) 1,1-Dichloroethane	3.42	63	54657	12.295 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	28334	10.656 ug/L	94
22) 2-Butanone	4.25	43	38522	18.721 ug/L	95
23) Bromochloromethane	4.53	128	16269	11.819 ug/L	97
25) Chloroform	4.65	83	57074	12.321 ug/L	100
27) 1,2-Dichloroethane	5.38	62	42162	11.930 ug/L	99
29) Cyclohexane	4.97	56	36877	9.451 ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	46933	11.611 ug/L	99
31) Carbon tetrachloride	5.11	117	41988	11.518 ug/L	100
33) Benzene	5.37	78	114939	11.047 ug/L	100
34) Trichloroethene	6.17	95	30723	11.208 ug/L	98
35) Methylcyclohexane	6.40	83	39890	9.620 ug/L	96
37) 1,2-Dichloropropane	6.41	63	32330	11.645 ug/L	# 96
38) Bromodichloromethane	6.74	83	41404	11.624 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	42641	9.759 ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	67032	16.881 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	115851	10.331	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	38352	9.873	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	30112	11.201	ug/L	96
46) Tetrachloroethene	8.21	164	24135	10.786	ug/L	97
48) 2-Hexanone	8.35	43	50556	16.112	ug/L	100
49) Dibromochloromethane	8.46	129	32713	10.818	ug/L	98
50) 1,2-Dibromoethane	8.57	107	30580	10.335	ug/L	94
51) Chlorobenzene	9.10	112	79964	10.903	ug/L	99
52) Ethylbenzene	9.23	91	117816	9.665	ug/L	98
53) m,p-Xylene	9.36	106	43802	9.424	ug/L	97
54) o-xylene	9.76	106	40427	8.811	ug/L	96
55) Styrene	9.77	104	69295	8.958	ug/L	94
56) Isopropylbenzene	10.15	105	109410	9.118	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	47273	10.136	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	38104	10.294	ug/L	98
61) Bromoform	9.94	173	24000	10.708	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	60566	10.658	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	62649	10.875	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	60116	10.699	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	9941	9.630	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	44622	9.965	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	32927m	8.271	ug/L	
69) Naphthalene	13.73	128	75946	6.428	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	34663	8.306	ug/L	100

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

