

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032458.D
 Acq On : 05 Jun 2019 13:58
 Operator : JC/SP
 Sample : VSTD01055
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01055

Quant Time: Jun 06 02:06:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 06 02:03:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206452	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187195	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	98011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	13261	8.94	ug/L	0.00
7) Chloroethane-d5	1.68	69	10594	8.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	25519	9.46	ug/L	0.00
21) 2-Butanone-d5	4.18	46	20675	20.08	ug/L	0.01
24) Chloroform-d	4.64	84	24263	9.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	15241	9.71	ug/L	0.00
32) Benzene-d6	5.33	84	49369	10.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	15133	9.91	ug/L	0.00
41) Toluene-d8	7.56	98	45928	10.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6753	9.53	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	12584	18.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	20365	8.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	18468	9.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	18906	11.467 ug/L	100
3) Chloromethane	1.32	50	18374	10.653 ug/L	99
5) Vinyl chloride	1.40	62	18256	10.507 ug/L	98
6) Bromomethane	1.62	94	10983	9.958 ug/L	99
8) Chloroethane	1.69	64	10960	10.431 ug/L	99
9) Trichlorofluoromethane	1.88	101	23997	10.856 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12834	9.897 ug/L	98
12) 1,1-Dichloroethene	2.28	96	12447	9.493 ug/L	80
13) Acetone	2.32	43	23850	24.084 ug/L	99
14) Carbon disulfide	2.47	76	37080	9.387 ug/L	99
15) Methyl Acetate	2.61	43	16605	10.716 ug/L	98
16) Methylene chloride	2.69	84	13835	9.046 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	13225	9.690 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	43061	10.282 ug/L	98
19) 1,1-Dichloroethane	3.44	63	23854	9.592 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	15036	9.815 ug/L	98
22) 2-Butanone	4.27	43	26719	22.548 ug/L	100
23) Bromochloromethane	4.54	128	7550	9.331 ug/L	94
25) Chloroform	4.67	83	24582	9.542 ug/L	98
27) 1,2-Dichloroethane	5.40	62	19267	9.959 ug/L	# 95
29) Cyclohexane	4.99	56	23255	11.879 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	21233	10.588 ug/L	97
31) Carbon tetrachloride	5.13	117	19987	11.528 ug/L	99
33) Benzene	5.38	78	53548	10.201 ug/L	100
34) Trichloroethene	6.18	95	15166	11.140 ug/L	96
35) Methylcyclohexane	6.41	83	24086	11.521 ug/L	99
37) 1,2-Dichloropropane	6.43	63	14462	10.537 ug/L	# 97
38) Bromodichloromethane	6.75	83	17971	10.149 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	20979	10.216 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	42763	22.742 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	58422	10.237	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	18671	10.316	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	13237	9.866	ug/L	97
46) Tetrachloroethene	8.22	164	12150	10.899	ug/L	98
48) 2-Hexanone	8.36	43	33975	22.094	ug/L	97
49) Dibromochloromethane	8.47	129	14714	9.987	ug/L	99
50) 1,2-Dibromoethane	8.58	107	15063	10.556	ug/L	93
51) Chlorobenzene	9.12	112	37314	10.130	ug/L	98
52) Ethylbenzene	9.24	91	63917	10.442	ug/L	99
53) m,p-Xylene	9.37	106	24620	10.515	ug/L	92
54) o-xylene	9.77	106	24478	10.412	ug/L	97
55) Styrene	9.79	104	38515	9.791	ug/L	98
56) Isopropylbenzene	10.16	105	63748	10.606	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	21537	9.301	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	17583	9.618	ug/L	98
61) Bromoform	9.95	173	11036	8.858	ug/L #	97
62) 1,3-Dichlorobenzene	11.41	146	29524	9.839	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	30377	9.922	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	29912	9.556	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	4250	8.148	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	23349	10.442	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	17984	10.167	ug/L	94
69) Naphthalene	13.74	128	57937	10.881	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	20569	10.938	ug/L	95

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

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