

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\
 Data File : VU031520.D
 Acq On : 26 Apr 2019 10:15
 Operator : JC/SP
 Sample : VSTD00549
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:52:30 AM

Quant Time: Apr 27 00:03:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 26 23:29:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	627200	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	600854	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	244431	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	26726	5.22	ug/L	0.00
7) Chloroethane-d5	1.68	69	20382	5.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	53594	5.87	ug/L	0.00
21) 2-Butanone-d5	4.21	46	38143m	9.49	ug/L	0.02
24) Chloroform-d	4.65	84	47190	5.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	29993	5.84	ug/L	0.00
32) Benzene-d6	5.34	84	86670	4.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	30833	5.38	ug/L	0.00
41) Toluene-d8	7.56	98	70380	4.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	11836	4.56	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	20816	7.50	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41542	5.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	25369	5.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	38488	7.937	ug/L 97
3) Chloromethane	1.32	50	45230	7.368	ug/L 95
5) Vinyl chloride	1.40	62	42787	7.202	ug/L 96
6) Bromomethane	1.63	94	23562	7.006	ug/L 97
8) Chloroethane	1.70	64	23549	7.019	ug/L 93
9) Trichlorofluoromethane	1.88	101	49479	7.067	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	28290	7.032	ug/L 96
12) 1,1-Dichloroethene	2.28	96	26883	6.796	ug/L 95
13) Acetone	2.34	43	66013	19.376	ug/L 99
14) Carbon disulfide	2.48	76	91105	7.463	ug/L 99
15) Methyl Acetate	2.62	43	44053	7.429	ug/L 98
16) Methylene chloride	2.70	84	31887	7.000	ug/L 93
17) trans-1,2-Dichloroethene	2.98	96	27853	6.823	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	81486	6.070	ug/L 99
19) 1,1-Dichloroethane	3.44	63	57181	6.971	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	28247	6.113	ug/L 91
22) 2-Butanone	4.29	43	52038	12.238	ug/L 79
23) Bromochloromethane	4.55	128	13887	6.053	ug/L 97
25) Chloroform	4.67	83	54812	6.977	ug/L 94
27) 1,2-Dichloroethane	5.40	62	44895	7.489	ug/L # 93
29) Cyclohexane	4.99	56	46298	6.101	ug/L 97
30) 1,1,1-Trichloroethane	4.91	97	43326	6.509	ug/L 99
31) Carbon tetrachloride	5.13	117	37595	6.596	ug/L 100
33) Benzene	5.39	78	107799	5.973	ug/L 100
34) Trichloroethene	6.19	95	28150	5.975	ug/L 95
35) Methylcyclohexane	6.41	83	37626	5.439	ug/L 95
37) 1,2-Dichloropropane	6.43	63	31352m	6.423	ug/L
38) Bromodichloromethane	6.76	83	37799	6.348	ug/L 94
39) cis-1,3-Dichloropropene	7.27	75	35765	5.092	ug/L 94
40) 4-Methyl-2-pentanone	7.46	43	91963	12.362	ug/L 94

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42) Toluene	7.64	91	102484	5.522	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	33909	5.486	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	26294	6.000	ug/L	92
46) Tetrachloroethene	8.22	164	18949	5.803	ug/L	90
48) 2-Hexanone	8.37	43	72718	12.364	ug/L	96
49) Dibromochloromethane	8.48	129	26498	5.737	ug/L	100
50) 1,2-Dibromoethane	8.59	107	28147	6.166	ug/L #	88
51) Chlorobenzene	9.12	112	64499	5.676	ug/L	95
52) Ethylbenzene	9.25	91	105426	5.330	ug/L	100
53) m,p-Xylene	9.38	106	35682	5.028	ug/L	98
54) o-xylene	9.78	106	35584	4.969	ug/L	98
55) Styrene	9.79	104	56364	4.675	ug/L	93
56) Isopropylbenzene	10.16	105	92014	4.989	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	46807	6.182	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	38979	6.574	ug/L	97
61) Bromoform	9.96	173	19801	6.421	ug/L #	97
62) 1,3-Dichlorobenzene	11.42	146	41339	5.695	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	44915	6.172	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	46424	6.209	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.66	75	10573	7.261	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	32266	6.068	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	21241	4.971	ug/L	97
69) Naphthalene	13.75	128	70966	4.786	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.99	180	28313	6.096	ug/L	94

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

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