

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052819\
 Data File : VU032318.D
 Acq On : 28 May 2019 11:01
 Operator : JC/SP
 Sample : VSTD00553
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:58:44 AM

Quant Time: May 29 04:55:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 04:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	782987	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	783125	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	345567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31366	7.09	ug/L	0.00
7) Chloroethane-d5	1.68	69	25930	6.38	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	56012	6.58	ug/L	0.00
21) 2-Butanone-d5	4.19	46	37724m	9.75	ug/L	0.02
24) Chloroform-d	4.65	84	55392	5.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	31102	4.84	ug/L	0.00
32) Benzene-d6	5.34	84	105852	5.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	34654	5.48	ug/L	0.00
41) Toluene-d8	7.56	98	96105	5.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	13194	4.52	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	22291	8.36	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	49817	4.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	39794	5.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	31644	6.194	ug/L 98
3) Chloromethane	1.33	50	37157	6.039	ug/L 97
5) Vinyl chloride	1.40	62	34918	6.006	ug/L 90
6) Bromomethane	1.62	94	22510	5.048	ug/L 94
8) Chloroethane	1.69	64	23913	6.194	ug/L 94
9) Trichlorofluoromethane	1.88	101	42887	5.866	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	26099	6.118	ug/L 98
12) 1,1-Dichloroethene	2.28	96	27831	5.965	ug/L 90
13) Acetone	2.32	43	41171	12.592	ug/L 98
14) Carbon disulfide	2.47	76	83753	5.975	ug/L 98
15) Methyl Acetate	2.62	43	29360	4.837	ug/L 99
16) Methylene chloride	2.70	84	32708	5.109	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	27108	5.081	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	79839	4.473	ug/L 97
19) 1,1-Dichloroethane	3.44	63	50499	5.283	ug/L 96
20) cis-1,2-Dichloroethene	4.22	96	31142	4.992	ug/L 95
22) 2-Butanone	4.28	43	41354	9.632	ug/L 96
23) Bromochloromethane	4.55	128	17174	5.024	ug/L 93
25) Chloroform	4.67	83	53740	5.102	ug/L 94
27) 1,2-Dichloroethane	5.41	62	38119	4.666	ug/L 99
29) Cyclohexane	4.99	56	36999	5.665	ug/L 99
30) 1,1,1-Trichloroethane	4.91	97	43674	5.576	ug/L 98
31) Carbon tetrachloride	5.13	117	36771	5.676	ug/L 95
33) Benzene	5.39	78	116442	5.231	ug/L 100
34) Trichloroethene	6.18	95	29635	5.318	ug/L 95
35) Methylcyclohexane	6.41	83	39667	5.610	ug/L 100
37) 1,2-Dichloropropane	6.43	63	29992	5.187	ug/L # 94
38) Bromodichloromethane	6.76	83	38073	4.791	ug/L 97
39) cis-1,3-Dichloropropene	7.27	75	38840	4.566	ug/L 97
40) 4-Methyl-2-pentanone	7.46	43	67670	8.531	ug/L 97

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42) Toluene	7.64	91	118153	5.015	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	32578	4.348	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	29927	4.775	ug/L	95
46) Tetrachloroethene	8.22	164	23495	5.526	ug/L	96
48) 2-Hexanone	8.36	43	56250	9.028	ug/L #	91
49) Dibromochloromethane	8.47	129	30093	4.516	ug/L	90
50) 1,2-Dibromoethane	8.58	107	29868	4.439	ug/L #	99
51) Chlorobenzene	9.12	112	77367	4.916	ug/L	97
52) Ethylbenzene	9.25	91	119569	4.917	ug/L	100
53) m,p-Xylene	9.37	106	43326	4.615	ug/L	93
54) o-xylene	9.77	106	44782	4.621	ug/L	95
55) Styrene	9.79	104	69230	4.193	ug/L	94
56) Isopropylbenzene	10.16	105	110924	4.815	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	48931	4.584	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	40046	4.765	ug/L	100
61) Bromoform	9.96	173	24672	4.913	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	53968	4.924	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	55942	4.901	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	59826	5.059	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	9062	4.276	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	37193	4.754	ug/L	93
68) 1,2,4-trichlorobenzene	13.51	180	22525	3.659	ug/L	89
69) Naphthalene	13.75	128	57267m	2.721	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	26025	3.714	ug/L	89

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

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