

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037612.D
 Acq On : 09 Apr 2020 12:04
 Operator : JC/MD
 Sample : VSTD00531
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00531

Quant Time: Apr 09 12:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 09 10:58:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	576699	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	543507	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	267064	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22211	4.74	ug/L	0.00
7) Chloroethane-d5	1.93	69	17920	4.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	36995	4.70	ug/L	0.00
21) 2-Butanone-d5	4.67	46	36163	10.27	ug/L	0.00
24) Chloroform-d	5.11	84	33357	4.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	22917	4.37	ug/L	0.00
32) Benzene-d6	5.76	84	70301	4.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	23216	4.38	ug/L	0.00
41) Toluene-d8	7.92	98	66474	4.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	13457	4.68	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	25665	9.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	32761	4.32	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	25629	4.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	20761	5.569	ug/L 99
3) Chloromethane	1.54	50	23179	5.861	ug/L 99
5) Vinyl chloride	1.62	62	24968	6.358	ug/L 98
6) Bromomethane	1.87	94	13147	6.788	ug/L 97
8) Chloroethane	1.95	64	15107	6.523	ug/L 97
9) Trichlorofluoromethane	2.16	101	27217	4.885	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	17324	5.451	ug/L 98
12) 1,1-Dichloroethene	2.61	96	16840	5.459	ug/L 94
13) Acetone	2.66	43	22220	10.920	ug/L 98
14) Carbon disulfide	2.82	76	63189	7.091	ug/L 99
15) Methyl Acetate	2.98	43	25865	5.609	ug/L 99
16) Methylene chloride	3.08	84	19530	5.219	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	18578	5.593	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	61554	5.286	ug/L 99
19) 1,1-Dichloroethane	3.91	63	35497	5.454	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	19725	5.156	ug/L 99
22) 2-Butanone	4.75	43	38330	11.541	ug/L 100
23) Bromochloromethane	5.02	128	9686	5.275	ug/L 95
25) Chloroform	5.13	83	32692	4.818	ug/L 98
27) 1,2-Dichloroethane	5.83	62	27245	5.202	ug/L 97
29) Cyclohexane	5.42	56	34120	5.990	ug/L 98
30) 1,1,1-Trichloroethane	5.35	97	28042	4.867	ug/L 99
31) Carbon tetrachloride	5.56	117	22838	4.816	ug/L 99
33) Benzene	5.81	78	74989	5.266	ug/L 100
34) Trichloroethene	6.57	95	19225	5.163	ug/L 96
35) Methylcyclohexane	6.79	83	33460	5.816	ug/L 98
37) 1,2-Dichloropropane	6.82	63	20980	5.171	ug/L 97
38) Bromodichloromethane	7.13	83	25805	4.890	ug/L 98
39) cis-1,3-Dichloropropene	7.63	75	32912	5.193	ug/L 99
40) 4-Methyl-2-pentanone	7.82	43	74389	11.298	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	80383	5.216	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	32536	5.213	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	18447	4.979	ug/L	97
46) Tetrachloroethene	8.57	164	13921	5.568	ug/L	97
48) 2-Hexanone	8.71	43	60685	11.852	ug/L	99
49) Dibromochloromethane	8.83	129	19432	4.703	ug/L	98
50) 1,2-Dibromoethane	8.94	107	20186	4.955	ug/L	98
51) Chlorobenzene	9.47	112	50520	5.285	ug/L	99
52) Ethylbenzene	9.59	91	88639	5.086	ug/L	100
53) m,p-Xylene	9.71	106	34130	5.250	ug/L	99
54) o-xylene	10.12	106	32776	5.231	ug/L	100
55) Styrene	10.13	104	57476	5.181	ug/L	98
56) Isopropylbenzene	10.50	105	86646	5.101	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	32674	4.892	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	28459	5.456	ug/L	100
61) Bromoform	10.31	173	14872	4.871	ug/L #	97
62) 1,3-Dichlorobenzene	11.76	146	40648	5.271	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	41099	5.281	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	40303	5.278	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	9313	5.085	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	29343	5.482	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	30385	5.955	ug/L	99
69) Naphthalene	14.11	128	122501	5.667	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	30437	5.905	ug/L	97

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

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