

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042320\
 Data File : VU037858.D
 Acq On : 23 Apr 2020 12:15
 Operator : JC/MD
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Quant Time: Apr 23 13:35:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 23 13:33:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	466445	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	458213	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	224802	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	27091	6.50	ug/L	0.00
7) Chloroethane-d5	1.93	69	21467	6.31	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	47508	6.74	ug/L	0.00
21) 2-Butanone-d5	4.67	46	41205	12.11	ug/L	0.00
24) Chloroform-d	5.10	84	42028	6.25	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	30207	6.51	ug/L	0.00
32) Benzene-d6	5.76	84	88764	6.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	29314	6.14	ug/L	0.00
41) Toluene-d8	7.92	98	81800	6.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	14725	6.10	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	29606	11.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	37637	5.73	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	30501	6.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	33633	8.178	ug/L 98
3) Chloromethane	1.54	50	35018	8.536	ug/L 94
5) Vinyl chloride	1.62	62	38413	7.996	ug/L 98
6) Bromomethane	1.87	94	15309	8.248	ug/L 88
8) Chloroethane	1.95	64	22881	8.111	ug/L 100
9) Trichlorofluoromethane	2.16	101	42049	7.915	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	24794	8.015	ug/L 98
12) 1,1-Dichloroethene	2.61	96	24524	8.041	ug/L 85
13) Acetone	2.65	43	34638	15.301	ug/L 97
14) Carbon disulfide	2.82	76	86200	8.474	ug/L 99
15) Methyl Acetate	2.98	43	38807	7.693	ug/L 100
16) Methylene chloride	3.08	84	29109	7.950	ug/L 98
17) trans-1,2-Dichloroethene	3.38	96	27894	8.287	ug/L 88
18) Methyl tert-butyl Ether	3.40	73	91694	7.653	ug/L 99
19) 1,1-Dichloroethane	3.91	63	54982	7.867	ug/L 95
20) cis-1,2-Dichloroethene	4.71	96	29861	7.938	ug/L 98
22) 2-Butanone	4.74	43	55528	14.927	ug/L 99
23) Bromochloromethane	5.02	128	14284	7.906	ug/L 91
25) Chloroform	5.13	83	51498	7.870	ug/L 97
27) 1,2-Dichloroethane	5.83	62	45028	7.982	ug/L 99
29) Cyclohexane	5.42	56	54541	7.922	ug/L 99
30) 1,1,1-Trichloroethane	5.35	97	43129	7.681	ug/L 99
31) Carbon tetrachloride	5.56	117	34809	7.706	ug/L 99
33) Benzene	5.81	78	117796	7.843	ug/L 100
34) Trichloroethene	6.57	95	29044	7.834	ug/L 99
35) Methylcyclohexane	6.79	83	51104	7.895	ug/L 99
37) 1,2-Dichloropropane	6.82	63	32693	7.707	ug/L 99
38) Bromodichloromethane	7.13	83	38231	7.489	ug/L 98
39) cis-1,3-Dichloropropene	7.63	75	51238	7.668	ug/L 98
40) 4-Methyl-2-pentanone	7.82	43	107470	14.850	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	123923	7.792	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	48430	7.541	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	28518	7.780	ug/L	97
46) Tetrachloroethene	8.57	164	21232	7.972	ug/L	98
48) 2-Hexanone	8.71	43	87208	15.190	ug/L	99
49) Dibromochloromethane	8.83	129	28416	7.446	ug/L	99
50) 1,2-Dibromoethane	8.95	107	30524	7.758	ug/L	99
51) Chlorobenzene	9.47	112	75837	7.635	ug/L	99
52) Ethylbenzene	9.59	91	136436	7.649	ug/L	98
53) m,p-Xylene	9.71	106	51148	7.562	ug/L	100
54) o-xylene	10.12	106	49681	7.558	ug/L	97
55) Styrene	10.13	104	84652	7.431	ug/L	98
56) Isopropylbenzene	10.50	105	131188	7.511	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	47558	7.281	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	42348	7.490	ug/L	100
61) Bromoform	10.31	173	20454	7.265	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	60180	7.914	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	60247	7.847	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	58220	7.761	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	12350	7.533	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	42475	7.695	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	39597	7.541	ug/L	98
69) Naphthalene	14.12	128	135131	7.306	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	39380	7.536	ug/L	99

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

