

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036879.D
 Acq On : 24 Feb 2020 12:52
 Operator : JC/MD
 Sample : VSTD01033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Quant Time: Feb 25 00:32:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 00:29:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	299910	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	278689	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114215	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23153	11.11	ug/L	0.00
7) Chloroethane-d5	1.93	69	19038	10.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	37942	9.84	ug/L	0.00
21) 2-Butanone-d5	4.67	46	30089	17.69	ug/L	0.00
24) Chloroform-d	5.11	84	34158	8.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	24319	9.39	ug/L	0.00
32) Benzene-d6	5.76	84	74176	9.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	23742	9.73	ug/L	0.00
41) Toluene-d8	7.93	98	67302	9.52	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	10122	7.93	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	22369	18.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	33043	9.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	20420	9.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	23446	8.601	ug/L 99
3) Chloromethane	1.54	50	27284	10.660	ug/L 99
5) Vinyl chloride	1.62	62	27759	10.748	ug/L 97
6) Bromomethane	1.87	94	13658	9.080	ug/L 97
8) Chloroethane	1.95	64	17368	11.289	ug/L 99
9) Trichlorofluoromethane	2.16	101	29445	8.823	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	18052	10.018	ug/L 100
12) 1,1-Dichloroethene	2.61	96	17837	9.933	ug/L 90
13) Acetone	2.66	43	34179	18.836	ug/L 99
14) Carbon disulfide	2.82	76	56079	9.665	ug/L 98
15) Methyl Acetate	2.98	43	24982	10.173	ug/L 100
16) Methylene chloride	3.08	84	22248	10.079	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	19481	9.891	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	62063	9.362	ug/L 99
19) 1,1-Dichloroethane	3.92	63	37210	9.980	ug/L 95
20) cis-1,2-Dichloroethene	4.71	96	21640	9.694	ug/L 96
22) 2-Butanone	4.75	43	39530	19.061	ug/L 98
23) Bromochloromethane	5.02	128	9716	9.074	ug/L 91
25) Chloroform	5.13	83	36504	9.349	ug/L 97
27) 1,2-Dichloroethane	5.83	62	29750	9.558	ug/L 100
29) Cyclohexane	5.43	56	33980	9.932	ug/L 97
30) 1,1,1-Trichloroethane	5.36	97	27925	8.625	ug/L 98
31) Carbon tetrachloride	5.56	117	21036	7.760	ug/L 99
33) Benzene	5.81	78	82249	10.087	ug/L 100
34) Trichloroethene	6.57	95	20183	9.361	ug/L 98
35) Methylcyclohexane	6.79	83	34552	10.122	ug/L 98
37) 1,2-Dichloropropane	6.83	63	22855	10.567	ug/L # 94
38) Bromodichloromethane	7.14	83	25924	8.983	ug/L 96
39) cis-1,3-Dichloropropene	7.64	75	32583	9.392	ug/L 100
40) 4-Methyl-2-pentanone	7.82	43	65089	18.874	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	89351	10.126	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	28471	9.000	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	20072	9.823	ug/L	95
46) Tetrachloroethene	8.57	164	13831	9.604	ug/L	94
48) 2-Hexanone	8.71	43	50997	18.562	ug/L	97
49) Dibromochloromethane	8.83	129	18006	8.211	ug/L	99
50) 1,2-Dibromoethane	8.95	107	20015	8.825	ug/L	99
51) Chlorobenzene	9.47	112	51605	9.433	ug/L	97
52) Ethylbenzene	9.59	91	93079	9.522	ug/L	100
53) m,p-Xylene	9.71	106	33493	9.179	ug/L	93
54) o-xylene	10.12	106	33843	9.293	ug/L	96
55) Styrene	10.13	104	53307	9.051	ug/L	98
56) Isopropylbenzene	10.50	105	87309	9.371	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	35272	9.947	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	28870	9.821	ug/L	99
61) Bromoform	10.31	173	11789	7.823	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	34704	9.603	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	34094	9.457	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	35217	9.864	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	6802	8.734	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	20438	9.227	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	13649	8.281	ug/L	95
69) Naphthalene	14.12	128	22587	4.518	ug/L	96
70) 1,2,3-Trichlorobenzene	14.37	180	14106	8.257	ug/L	97

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

