

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042320\
 Data File : VU037861.D
 Acq On : 23 Apr 2020 14:36
 Operator : JC/MD
 Sample : VSTD10036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Quant Time: Apr 23 15:14:36 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	581019	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	570944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	291363	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	466594	89.84	ug/L	0.00
7) Chloroethane-d5	1.93	69	361598	85.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	757912	86.31	ug/L	0.00
21) 2-Butanone-d5	4.66	46	719083	169.61	ug/L	0.00
24) Chloroform-d	5.10	84	727026	86.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	481529	83.36	ug/L	0.00
32) Benzene-d6	5.76	84	1485695	83.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	500135	84.03	ug/L	0.00
41) Toluene-d8	7.93	98	1370436	84.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	255979	85.04	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	542760	174.50	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	700782	85.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	520862	84.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	448625	87.578	ug/L 99
3) Chloromethane	1.54	50	482196	94.363	ug/L 98
5) Vinyl chloride	1.62	62	536034	89.580	ug/L 98
6) Bromomethane	1.86	94	233237	100.880	ug/L 97
8) Chloroethane	1.95	64	302177	85.995	ug/L 98
9) Trichlorofluoromethane	2.16	101	577310	87.237	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	335624	87.102	ug/L 99
12) 1,1-Dichloroethene	2.60	96	330575	87.015	ug/L 96
13) Acetone	2.65	43	441936	156.725	ug/L 100
14) Carbon disulfide	2.82	76	1152896	90.986	ug/L 99
15) Methyl Acetate	2.98	43	515325	82.012	ug/L 100
16) Methylene chloride	3.08	84	391693	85.877	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	362629	86.492	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	1262575	84.594	ug/L 100
19) 1,1-Dichloroethane	3.91	63	736189	84.565	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	403354	86.077	ug/L 99
22) 2-Butanone	4.74	43	753834	162.684	ug/L 100
23) Bromochloromethane	5.01	128	192656	85.609	ug/L 100
25) Chloroform	5.13	83	684557	83.982	ug/L 99
27) 1,2-Dichloroethane	5.83	62	585893	83.377	ug/L 99
29) Cyclohexane	5.42	56	736468	85.845	ug/L 100
30) 1,1,1-Trichloroethane	5.35	97	595300	85.083	ug/L 100
31) Carbon tetrachloride	5.56	117	490043	87.060	ug/L 99
33) Benzene	5.81	78	1597099	85.344	ug/L 100
34) Trichloroethene	6.57	95	389743	84.364	ug/L 98
35) Methylcyclohexane	6.79	83	705462	87.465	ug/L 99
37) 1,2-Dichloropropane	6.82	63	441784	83.577	ug/L 100
38) Bromodichloromethane	7.13	83	534062	83.955	ug/L 98
39) cis-1,3-Dichloropropene	7.64	75	718102	86.248	ug/L 99
40) 4-Methyl-2-pentanone	7.82	43	1478683	163.984	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1681951	84.872	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	682445	85.278	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	379809	83.155	ug/L	99
46) Tetrachloroethene	8.58	164	289132	87.124	ug/L	98
48) 2-Hexanone	8.71	43	1169640	163.508	ug/L	99
49) Dibromochloromethane	8.84	129	403290	84.812	ug/L	98
50) 1,2-Dibromoethane	8.95	107	409771	83.581	ug/L	100
51) Chlorobenzene	9.47	112	1039437	83.990	ug/L	100
52) Ethylbenzene	9.59	91	1909422	85.912	ug/L	100
53) m,p-Xylene	9.72	106	721878	85.649	ug/L	99
54) o-xylene	10.12	106	703133	85.851	ug/L	98
55) Styrene	10.13	104	1225699	86.350	ug/L	99
56) Isopropylbenzene	10.50	105	1866051	85.748	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	685916	84.281	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	574061	81.487	ug/L	99
61) Bromoform	10.31	173	310987	85.229	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	836900	84.920	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	842534	84.672	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	818188	84.156	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	177910	83.729	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	631986	88.336	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	612842	90.049	ug/L	100
69) Naphthalene	14.12	128	2140966	89.311	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	605758	89.445	ug/L	100

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

