

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030690.D
 Acq On : 04 Apr 2019 17:38
 Operator : JC/SP
 Sample : VSTD10049
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10049

Quant Time: Apr 05 01:45:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 01:40:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	479111	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	463837	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	220488	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	411198	93.04	ug/L	0.00
7) Chloroethane-d5	1.67	69	317535	95.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	759872	96.20	ug/L	0.00
21) 2-Butanone-d5	4.17	46	720438	223.11	ug/L	0.00
24) Chloroform-d	4.64	84	667429	102.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	439925	96.90	ug/L	0.00
32) Benzene-d6	5.33	84	1369363	101.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	464837	100.22	ug/L	0.00
41) Toluene-d8	7.56	98	1228433	103.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	228674	114.84	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	469237	241.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	634979	102.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	426658	97.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	395563	89.371 ug/L	99
3) Chloromethane	1.32	50	508080	88.255 ug/L	100
5) Vinyl chloride	1.40	62	494043	89.136 ug/L	94
6) Bromomethane	1.61	94	259569	90.845 ug/L	100
8) Chloroethane	1.69	64	283825	89.709 ug/L	99
9) Trichlorofluoromethane	1.88	101	585450	91.296 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	327202	90.912 ug/L	97
12) 1,1-Dichloroethene	2.28	96	320547	93.874 ug/L	93
13) Acetone	2.32	43	639636	170.814 ug/L	100
14) Carbon disulfide	2.47	76	990179	93.046 ug/L	98
15) Methyl Acetate	2.61	43	540817	100.130 ug/L	98
16) Methylene chloride	2.69	84	376899	88.851 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	331910	89.944 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	1154889	96.185 ug/L	100
19) 1,1-Dichloroethane	3.44	63	698091	93.000 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	379492	95.431 ug/L	99
22) 2-Butanone	4.25	43	854019	215.239 ug/L	95
23) Bromochloromethane	4.54	128	180452	96.547 ug/L	99
25) Chloroform	4.67	83	690137	89.846 ug/L	99
27) 1,2-Dichloroethane	5.40	62	533947	92.763 ug/L	99
29) Cyclohexane	4.99	56	663100	100.640 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	550572	95.252 ug/L	100
31) Carbon tetrachloride	5.13	117	479912	96.584 ug/L	99
33) Benzene	5.38	78	1507586	98.052 ug/L	100
34) Trichloroethene	6.18	95	362622	95.823 ug/L	98
35) Methylcyclohexane	6.41	83	586331	103.414 ug/L	98
37) 1,2-Dichloropropane	6.43	63	418035	95.316 ug/L	99
38) Bromodichloromethane	6.75	83	507078	96.405 ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	654538	112.177 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	1452195	217.392 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1551496	100.062	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	565871	109.559	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	361898	97.897	ug/L	97
46) Tetrachloroethene	8.22	164	261343	93.954	ug/L	99
48) 2-Hexanone	8.36	43	1163369	226.579	ug/L	100
49) Dibromochloromethane	8.47	129	383214	98.713	ug/L	100
50) 1,2-Dibromoethane	8.58	107	388563	97.763	ug/L	98
51) Chlorobenzene	9.12	112	927123	95.970	ug/L	100
52) Ethylbenzene	9.24	91	1694991	100.791	ug/L	99
53) m,p-Xylene	9.37	106	611134	106.479	ug/L	99
54) o-xylene	9.77	106	599248	103.891	ug/L	99
55) Styrene	9.79	104	1050310	108.092	ug/L	99
56) Isopropylbenzene	10.16	105	1583220	104.501	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	648064	97.007	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	513496	98.871	ug/L	98
61) Bromoform	9.95	173	280900	94.960	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	673015	94.513	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	681704	93.854	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	671566	93.226	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	147076	99.142	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	502583	97.906	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	452510	108.438	ug/L	100
69) Naphthalene	13.74	128	1564020	122.059	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	461041	103.642	ug/L	99

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

