

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010346.D
 Acq On : 18 Apr 2019 12:49
 Operator : SY/MD
 Sample : VSTD05004
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05004

Quant Time: Apr 18 13:10:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 12:43:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	312301	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	310553	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	172432	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	185908	51.71	ug/L	0.00
7) Chloroethane-d5	1.57	69	154906	50.14	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	446817	48.83	ug/L	0.00
20) 2-Butanone-d5	3.94	46	129699	142.57	ug/L	0.00
24) Chloroform-d	4.40	84	414475	58.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	241664	59.49	ug/L	0.00
29) Benzene-d6	5.10	84	781636	52.20	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	232855	52.28	ug/L	0.00
37) Toluene-d8	7.36	98	781429	53.51	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	119876	64.55	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	115431	150.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	242374	60.63	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	341778	53.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	226362	45.230	ug/L 97
3) Chloromethane	1.25	50	193474	47.113	ug/L 99
5) Vinyl chloride	1.32	62	202156	45.778	ug/L 99
6) Bromomethane	1.52	94	133591	37.325	ug/L 99
8) Chloroethane	1.59	64	123721	44.930	ug/L 98
9) Trichlorofluoromethane	1.76	101	410221	45.867	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	214860	44.875	ug/L 97
12) 1,1-Dichloroethene	2.14	96	189480	45.987	ug/L 92
13) Acetone	2.19	43	102099	105.037	ug/L 100
14) Carbon disulfide	2.31	76	464480	46.679	ug/L 100
15) Methyl Acetate	2.46	43	101084	58.389	ug/L 93
16) Methylene chloride	2.53	84	200328	32.754	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	497146	55.758	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	183725	46.928	ug/L 96
19) 1,1-Dichloroethane	3.23	63	323587	50.246	ug/L 98
21) 2-Butanone	4.02	43	139422	125.757	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	214728	50.408	ug/L 100
23) Bromochloromethane	4.30	128	108213	51.589	ug/L 95
25) Chloroform	4.43	83	374796	48.995	ug/L 99
27) 1,2-Dichloroethane	5.18	62	272537	55.669	ug/L 99
30) Cyclohexane	4.73	56	266426	45.812	ug/L 98
31) 1,1,1-Trichloroethane	4.66	97	330339	50.852	ug/L 98
32) Carbon tetrachloride	4.87	117	309491	51.126	ug/L 99
34) Benzene	5.15	78	729036	46.311	ug/L 100
35) Trichloroethene	5.96	95	208779	45.901	ug/L 99
36) Methylcyclohexane	6.18	83	314474	46.269	ug/L 99
40) 1,2-Dichloropropane	6.22	63	190540	49.466	ug/L 100
41) Bromodichloromethane	6.56	83	278128	54.189	ug/L 98
42) cis-1,3-Dichloropropene	7.07	75	313165	53.648	ug/L 98
43) 4-Methyl-2-pentanone	7.27	43	305497	122.538	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	846636	47.839	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	290164	59.229	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	173603	53.130	ug/L	98
47) Tetrachloroethene	8.02	164	189090	46.895	ug/L	98
49) 2-Hexanone	8.18	43	221335	135.030	ug/L	98
50) Dibromochloromethane	8.29	129	228374	57.136	ug/L	99
51) 1,2-Dibromoethane	8.40	107	175435	52.642	ug/L	98
52) Chlorobenzene	8.93	112	586838	47.520	ug/L	99
53) Ethylbenzene	9.05	91	966879	49.545	ug/L	100
54) m,p-Xylene	9.18	106	389402	50.581	ug/L	95
55) o-xylene	9.59	106	371063	48.401	ug/L	97
56) Styrene	9.60	104	643475	52.716	ug/L	99
57) Isopropylbenzene	9.97	105	979745	50.282	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	225286	55.785	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	163346	54.958	ug/L	98
62) Bromoform	9.77	173	138830	55.477	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	511693	47.860	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	527659	48.501	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	496303	48.630	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	39383	68.213	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	427152	53.917	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	358838	66.103	ug/L	99
69) Naphthalene	13.55	128	699508	94.824	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	349028	69.328	ug/L	100

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

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