

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\
 Data File : VV009160.D
 Acq On : 04 Jan 2019 13:29
 Operator : SY/MD
 Sample : VSTD2.567
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.567

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 12:00:07 AM

Quant Time: Jan 05 04:42:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 04:20:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	162302	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146017	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73376	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3534	3.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	2985	2.77	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	11574	3.12	ug/L	0.00
20) 2-Butanone-d5	3.98	46	5150m	6.69	ug/L	0.02
24) Chloroform-d	4.41	84	10090	2.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5302	2.90	ug/L	0.00
29) Benzene-d6	5.10	84	19127	2.94	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	5264	2.82	ug/L	0.00
37) Toluene-d8	7.36	98	18178	2.96	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2533	2.86	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	2526	5.74	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	6052	2.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	8072	3.25	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8022m	3.075	ug/L
3) Chloromethane	1.25	50	5424	3.070	ug/L 94
5) Vinyl chloride	1.32	62	5691	3.008	ug/L 96
6) Bromomethane	1.54	94	3973	2.981	ug/L 95
8) Chloroethane	1.60	64	3051	2.617	ug/L 97
9) Trichlorofluoromethane	1.76	101	9662	2.786	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6517	2.821	ug/L 95
12) 1,1-Dichloroethene	2.14	96	5546	2.768	ug/L # 79
13) Acetone	2.22	43	9016	8.146	ug/L 100
14) Carbon disulfide	2.32	76	16281	2.844	ug/L 98
15) Methyl Acetate	2.48	43	4131	3.016	ug/L 93
16) Methylene chloride	2.53	84	8224	3.392	ug/L 94
17) Methyl tert-butyl Ether	2.81	73	12822	2.613	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	5692	2.681	ug/L 96
19) 1,1-Dichloroethane	3.23	63	9612	2.726	ug/L 97
21) 2-Butanone	4.06	43	6017m	5.911	ug/L
22) cis-1,2-Dichloroethene	3.96	96	5842	2.574	ug/L 93
23) Bromochloromethane	4.31	128	2808	2.630	ug/L 93
25) Chloroform	4.43	83	9923	2.643	ug/L 97
27) 1,2-Dichloroethane	5.18	62	6629	2.629	ug/L 99
30) Cyclohexane	4.73	56	9140	2.824	ug/L # 95
31) 1,1,1-Trichloroethane	4.66	97	9570	2.696	ug/L # 86
32) Carbon tetrachloride	4.87	117	8492	2.613	ug/L 100
34) Benzene	5.15	78	21488	2.737	ug/L 100
35) Trichloroethene	5.96	95	6310	2.790	ug/L 97
36) Methylcyclohexane	6.17	83	10300	2.726	ug/L 99
40) 1,2-Dichloropropane	6.23	63	5018	2.652	ug/L # 91
41) Bromodichloromethane	6.56	83	6449	2.487	ug/L # 95
42) cis-1,3-Dichloropropene	7.08	75	7531	2.512	ug/L 99
43) 4-Methyl-2-pentanone	7.29	43	11381	6.311	ug/L 95

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44) Toluene	7.43	91	22667	2.678	ug/L	97
45) trans-1,3-Dichloropropene	7.70	75	6641	2.530	ug/L	93
46) 1,1,2-Trichloroethane	7.88	97	4193	2.507	ug/L	91
47) Tetrachloroethene	8.02	164	5416	2.764	ug/L	96
49) 2-Hexanone	8.20	43	8275	6.235	ug/L	96
50) Dibromochloromethane	8.29	129	5079	2.472	ug/L	97
51) 1,2-Dibromoethane	8.40	107	4680	2.677	ug/L	93
52) Chlorobenzene	8.93	112	16215	2.792	ug/L	98
53) Ethylbenzene	9.06	91	25352	2.649	ug/L	98
54) m,p-Xylene	9.18	106	10042	2.693	ug/L	95
55) o-xylene	9.59	106	8976	2.603	ug/L	96
56) Styrene	9.61	104	14632	2.516	ug/L	95
57) Isopropylbenzene	9.98	105	24405	2.551	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	6028	2.691	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	4928	2.752	ug/L	94
62) Bromoform	9.78	173	3201	2.470	ug/L #	97
63) 1,3-Dichlorobenzene	11.23	146	12905	2.791	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	14281	2.963	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	12394	2.814	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1277	2.793	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	10912	2.927	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	8464	2.789	ug/L	97
69) Naphthalene	13.56	128	16976	2.746	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	7953	2.855	ug/L	98

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

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