

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022619\
 Data File : VV009361.D
 Acq On : 26 Feb 2019 10:34
 Operator : SY/MD
 Sample : VSTD00582
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00582

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 6:54:17 AM

Quant Time: Feb 26 12:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 26 11:56:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159313	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	142226	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65159	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11061	5.22	ug/L	0.00
7) Chloroethane-d5	1.58	69	16060	6.41	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	28366	5.44	ug/L	0.00
20) 2-Butanone-d5	3.96	46	6550	8.83	ug/L	0.02
24) Chloroform-d	4.40	84	19562	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	10145	5.06	ug/L	0.00
29) Benzene-d6	5.10	84	38821	5.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	11639	5.54	ug/L	0.00
37) Toluene-d8	7.36	98	35568	5.24	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	5321	4.94	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	4779	8.18	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11354	4.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	11897	4.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10551	5.674 ug/L	95
3) Chloromethane	1.25	50	11401	5.018 ug/L	100
5) Vinyl chloride	1.32	62	13158	5.107 ug/L	91
6) Bromomethane	1.53	94	13833	5.770 ug/L	97
8) Chloroethane	1.60	64	12313	5.662 ug/L	96
9) Trichlorofluoromethane	1.76	101	26596	5.484 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14545	5.244 ug/L	98
12) 1,1-Dichloroethene	2.14	96	12780	5.468 ug/L	97
13) Acetone	2.21	43	6587	9.084 ug/L	91
14) Carbon disulfide	2.32	76	31163	4.982 ug/L #	95
15) Methyl Acetate	2.47	43	4891	4.626 ug/L	100
16) Methylene chloride	2.54	84	12419	5.153 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	25432	4.912 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	10824	5.140 ug/L	95
19) 1,1-Dichloroethane	3.23	63	18749	5.361 ug/L	96
21) 2-Butanone	4.05	43	7970m	9.594 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	11852	5.152 ug/L	98
23) Bromochloromethane	4.30	128	5063	4.809 ug/L	96
25) Chloroform	4.43	83	20402	5.482 ug/L	94
27) 1,2-Dichloroethane	5.18	62	13442	5.334 ug/L #	91
30) Cyclohexane	4.72	56	18100	5.490 ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	18179	5.660 ug/L	99
32) Carbon tetrachloride	4.87	117	14872	5.479 ug/L	99
34) Benzene	5.15	78	42143	5.419 ug/L	100
35) Trichloroethene	5.96	95	11644	5.383 ug/L	99
36) Methylcyclohexane	6.18	83	20965	5.541 ug/L	97
40) 1,2-Dichloropropane	6.22	63	10369	5.494 ug/L #	92
41) Bromodichloromethane	6.56	83	14699	5.468 ug/L	94
42) cis-1,3-Dichloropropene	7.07	75	16169	5.048 ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	16491	10.408 ug/L #	96

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44) Toluene	7.43	91	44576	5.168	ug/L	99
45) trans-1,3-Dichloropropene	7.70	75	14000	4.991	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	8374	4.982	ug/L	96
47) Tetrachloroethene	8.02	164	8420	4.981	ug/L	92
49) 2-Hexanone	8.19	43	11661	9.570	ug/L #	95
50) Dibromochloromethane	8.29	129	10043	4.956	ug/L	95
51) 1,2-Dibromoethane	8.40	107	8489	5.036	ug/L #	96
52) Chlorobenzene	8.93	112	28039	4.992	ug/L	97
53) Ethylbenzene	9.05	91	51413	5.276	ug/L	99
54) m,p-Xylene	9.18	106	20132	5.295	ug/L	87
55) o-xylene	9.59	106	18228	5.108	ug/L	92
56) Styrene	9.61	104	31117	5.081	ug/L	98
57) Isopropylbenzene	9.98	105	51518	5.215	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	11585	4.884	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	8406	4.946	ug/L	99
62) Bromoform	9.77	173	6052	5.024	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	21626	5.167	ug/L	94
64) 1,4-Dichlorobenzene	11.32	146	21924	5.255	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	20245	5.158	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	2095	4.807	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	15600	5.151	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	11137	4.507	ug/L	93
69) Naphthalene	13.55	128	20582	3.886	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	10214	4.478	ug/L	98

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

