

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\
 Data File : VV009155.D
 Acq On : 04 Jan 2019 11:18
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:59:55 PM

Quant Time: Jan 05 04:34:00 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	5.66	114	159687	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	141398	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	70461	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7773	7.12	ug/L	0.00
7) Chloroethane-d5	1.58	69	5112	4.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	22319	6.11	ug/L	0.00
20) 2-Butanone-d5	3.97	46	8223m	10.86	ug/L	0.00
24) Chloroform-d	4.40	84	19532	5.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9838	5.47	ug/L	0.00
29) Benzene-d6	5.10	84	37932	6.02	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	10672	5.91	ug/L	0.00
37) Toluene-d8	7.36	98	35016	5.89	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	4503	5.25	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	4689	11.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	10668	5.37	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	13092	5.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16333	6.363	ug/L 95
3) Chloromethane	1.25	50	10393	5.978	ug/L 95
5) Vinyl chloride	1.32	62	10807	5.806	ug/L 96
6) Bromomethane	1.53	94	5597	4.269	ug/L 96
8) Chloroethane	1.59	64	5105	4.450	ug/L 87
9) Trichlorofluoromethane	1.76	101	22488	6.589	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	13232	5.822	ug/L 97
12) 1,1-Dichloroethene	2.14	96	11105	5.634	ug/L 88
13) Acetone	2.21	43	12925	11.869	ug/L 98
14) Carbon disulfide	2.32	76	33042	5.866	ug/L 100
15) Methyl Acetate	2.47	43	7223	5.360	ug/L 98
16) Methylene chloride	2.53	84	20809	8.722	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	22025	4.562	ug/L 95
18) trans-1,2-Dichloroethene	2.79	96	11787	5.643	ug/L 98
19) 1,1-Dichloroethane	3.23	63	18388	5.301	ug/L 98
21) 2-Butanone	4.04	43	9097m	9.083	ug/L
22) cis-1,2-Dichloroethene	3.96	96	12004	5.375	ug/L 96
23) Bromochloromethane	4.30	128	5251	4.998	ug/L 94
25) Chloroform	4.42	83	19575	5.299	ug/L 100
27) 1,2-Dichloroethane	5.18	62	12477	5.028	ug/L 95
30) Cyclohexane	4.72	56	18169	5.796	ug/L 99
31) 1,1,1-Trichloroethane	4.66	97	18651	5.425	ug/L 99
32) Carbon tetrachloride	4.87	117	17127	5.443	ug/L 97
34) Benzene	5.15	78	41307	5.434	ug/L 100
35) Trichloroethene	5.96	95	12084	5.518	ug/L 99
36) Methylcyclohexane	6.17	83	20812	5.688	ug/L 98
40) 1,2-Dichloropropane	6.22	63	9090	4.961	ug/L 97
41) Bromodichloromethane	6.55	83	13044	5.194	ug/L 94
42) cis-1,3-Dichloropropene	7.07	75	13642	4.699	ug/L 96
43) 4-Methyl-2-pentanone	7.29	43	17562	10.056	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	7.43	91	43274	5.280	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	12837	5.050	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	8166	5.043	ug/L	97
47) Tetrachloroethene	8.02	164	11225	5.916	ug/L	91
49) 2-Hexanone	8.20	43	11271	8.769	ug/L	98
50) Dibromochloromethane	8.29	129	9520	4.786	ug/L	97
51) 1,2-Dibromoethane	8.40	107	8249	4.872	ug/L #	96
52) Chlorobenzene	8.92	112	30030	5.340	ug/L	97
53) Ethylbenzene	9.05	91	48812	5.267	ug/L	97
54) m,p-Xylene	9.18	106	18034	4.994	ug/L	94
55) o-xylene	9.59	106	17196	5.150	ug/L	97
56) Styrene	9.60	104	27874	4.950	ug/L	91
57) Isopropylbenzene	9.98	105	47794	5.159	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	10768	4.963	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	8346	4.813	ug/L	99
62) Bromoform	9.78	173	6292	5.056	ug/L #	95
63) 1,3-Dichlorobenzene	11.23	146	22350	5.034	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	24166	5.222	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	21855	5.168	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	2160	4.920	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	17252	4.818	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	11658	4.000	ug/L	94
69) Naphthalene	13.56	128	17895	3.015	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	10462	3.912	ug/L	99

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

