

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010625.D
 Acq On : 02 May 2019 11:55
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00561

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 11:53:35 AM

Quant Time: May 02 12:50:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 12:45:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158313	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	163410	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78989	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10629	4.87	ug/L	0.00
7) Chloroethane-d5	1.57	69	7534	4.44	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	18855	4.63	ug/L	0.00
20) 2-Butanone-d5	3.94	46	5044	9.89	ug/L	0.01
24) Chloroform-d	4.40	84	19684	5.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	11049	4.66	ug/L	0.00
29) Benzene-d6	5.10	84	40821	5.41	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	12143	5.46	ug/L	0.00
37) Toluene-d8	7.36	98	36070	4.64	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	4279	3.90	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	3841	8.69	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	10789	4.98	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	14427	4.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13604	5.634 ug/L	97
3) Chloromethane	1.25	50	13127	6.552 ug/L	99
5) Vinyl chloride	1.32	62	11509	4.862 ug/L	99
6) Bromomethane	1.51	94	5612	4.548 ug/L	96
8) Chloroethane	1.59	64	6266	4.708 ug/L	98
9) Trichlorofluoromethane	1.76	101	20545	5.081 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10552	4.660 ug/L	97
12) 1,1-Dichloroethene	2.14	96	9157	4.593 ug/L	91
13) Acetone	2.19	43	6160	11.269 ug/L	98
14) Carbon disulfide	2.31	76	30586	6.865 ug/L	100
15) Methyl Acetate	2.46	43	5643	6.936 ug/L	95
16) Methylene chloride	2.53	84	12943	5.575 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	24362	5.155 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	11315	6.417 ug/L	96
19) 1,1-Dichloroethane	3.23	63	19284	6.120 ug/L	97
21) 2-Butanone	4.03	43	7294m	12.520 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	11332	5.701 ug/L	94
23) Bromochloromethane	4.30	128	5675	5.918 ug/L	96
25) Chloroform	4.43	83	21883	5.780 ug/L	99
27) 1,2-Dichloroethane	5.18	62	13994	5.270 ug/L	98
30) Cyclohexane	4.72	56	16037	5.539 ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	17777	5.090 ug/L	100
32) Carbon tetrachloride	4.88	117	15951	4.819 ug/L	97
34) Benzene	5.14	78	42497	5.884 ug/L	100
35) Trichloroethene	5.96	95	12503	5.708 ug/L	99
36) Methylcyclohexane	6.17	83	18406	5.625 ug/L	99
40) 1,2-Dichloropropane	6.22	63	11056	6.219 ug/L	98
41) Bromodichloromethane	6.56	83	14196	5.178 ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	14981	5.103 ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	13668	10.353 ug/L	97

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

44) Toluene	7.43	91	45256	5.185	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	11909	4.443	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	9336	5.856	ug/L	90
47) Tetrachloroethene	8.02	164	9528	4.900	ug/L	98
49) 2-Hexanone	8.18	43	10241	10.927	ug/L #	94
50) Dibromochloromethane	8.29	129	9390	4.369	ug/L	92
51) 1,2-Dibromoethane	8.40	107	8707	5.205	ug/L #	93
52) Chlorobenzene	8.93	112	33412	5.460	ug/L	98
53) Ethylbenzene	9.05	91	51401	5.036	ug/L	100
54) m,p-Xylene	9.18	106	18832	4.707	ug/L	99
55) o-xylene	9.59	106	18805	4.719	ug/L	98
56) Styrene	9.60	104	30525	4.642	ug/L	100
57) Isopropylbenzene	9.97	105	48537	4.508	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	10925	5.289	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	8156	5.330	ug/L	96
62) Bromoform	9.77	173	5540	4.683	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	24572	5.319	ug/L	95
64) 1,4-Dichlorobenzene	11.32	146	25196	5.328	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	23118	5.150	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	1661	5.583	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	18047	4.889	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	12759	4.582	ug/L	96
69) Naphthalene	13.55	128	20940	4.679	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	11794	4.576	ug/L	98

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

