

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022019\
 Data File : VV009309.D
 Acq On : 20 Feb 2019 19:52
 Operator : SY/MD
 Sample : VSTD00570
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00570

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 4:27:05 PM

Quant Time: Feb 21 03:39:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 21 03:29:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	155181	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145938	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72327	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12134	4.65	ug/L	0.00
7) Chloroethane-d5	1.58	69	15536	3.18	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	28029	4.00	ug/L	0.00
20) 2-Butanone-d5	3.96	46	6833m	10.62	ug/L	0.00
24) Chloroform-d	4.40	84	19818	5.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	10917	5.07	ug/L	0.00
29) Benzene-d6	5.10	84	41770	5.69	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	12108	5.61	ug/L	0.00
37) Toluene-d8	7.36	98	37667	5.30	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	5690	5.15	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	5969	12.30	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	12094	5.53	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	14028	5.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9468	5.972	ug/L 99
3) Chloromethane	1.25	50	11330	4.348	ug/L 97
5) Vinyl chloride	1.32	62	13038	4.042	ug/L 96
6) Bromomethane	1.53	94	12314	3.202	ug/L 97
8) Chloroethane	1.59	64	11682	2.620	ug/L 98
9) Trichlorofluoromethane	1.76	101	23999	3.650	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	14312	3.894	ug/L 98
12) 1,1-Dichloroethene	2.14	96	12245	3.810	ug/L 84
13) Acetone	2.21	43	6965	9.879	ug/L 100
14) Carbon disulfide	2.32	76	31427	5.591	ug/L 96
15) Methyl Acetate	2.47	43	5052	5.335	ug/L 91
16) Methylene chloride	2.53	84	13116	6.480	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	26129	5.359	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	10744	5.530	ug/L 97
19) 1,1-Dichloroethane	3.23	63	18011	5.025	ug/L 98
21) 2-Butanone	4.05	43	6529m	7.460	ug/L
22) cis-1,2-Dichloroethene	3.96	96	11916	5.311	ug/L 92
23) Bromochloromethane	4.31	128	5386	5.436	ug/L 84
25) Chloroform	4.43	83	18731	4.910	ug/L 100
27) 1,2-Dichloroethane	5.18	62	12176	4.252	ug/L 96
30) Cyclohexane	4.73	56	17064	4.803	ug/L 97
31) 1,1,1-Trichloroethane	4.66	97	17340	4.912	ug/L 100
32) Carbon tetrachloride	4.88	117	14204	4.696	ug/L 98
34) Benzene	5.15	78	41198	4.978	ug/L 100
35) Trichloroethene	5.96	95	11176	5.111	ug/L 98
36) Methylcyclohexane	6.18	83	20042	5.223	ug/L 99
40) 1,2-Dichloropropane	6.22	63	10091	5.089	ug/L # 87
41) Bromodichloromethane	6.56	83	14418	4.992	ug/L 98
42) cis-1,3-Dichloropropene	7.07	75	16274	4.917	ug/L 100
43) 4-Methyl-2-pentanone	7.28	43	15273	9.354	ug/L 98

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44) Toluene	7.43	91	44640	4.759	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	14282	4.753	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	8928	5.489	ug/L	96
47) Tetrachloroethene	8.02	164	8999	4.942	ug/L	96
49) 2-Hexanone	8.19	43	11176	8.517	ug/L	95
50) Dibromochloromethane	8.29	129	10744	5.115	ug/L	91
51) 1,2-Dibromoethane	8.40	107	8659	5.144	ug/L #	98
52) Chlorobenzene	8.93	112	29715	4.855	ug/L	98
53) Ethylbenzene	9.06	91	50605	4.720	ug/L	100
54) m,p-Xylene	9.18	106	20187	4.922	ug/L	98
55) o-xylene	9.59	106	19073	4.782	ug/L	98
56) Styrene	9.61	104	32479	4.723	ug/L	95
57) Isopropylbenzene	9.98	105	51532	4.761	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	11998	5.228	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	8426	5.061	ug/L	99
62) Bromoform	9.78	173	6088	4.496	ug/L #	95
63) 1,3-Dichlorobenzene	11.23	146	23969	5.024	ug/L	94
64) 1,4-Dichlorobenzene	11.32	146	24164	5.020	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	22815	5.057	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1910	4.464	ug/L #	87
67) 1,3,5-Trichlorobenzene	12.70	180	17148	4.856	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	13189	4.582	ug/L	94
69) Naphthalene	13.55	128	23988	4.268	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	11739	4.526	ug/L	95

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

