

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010691.D
 Acq On : 07 May 2019 12:40
 Operator : SY/MD
 Sample : VSTD05064
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Quant Time: May 08 02:31:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:27:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	103277	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	107218	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52427	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80859	50.40	ug/L	0.00
7) Chloroethane-d5	1.56	69	66119	50.08	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	172692	49.62	ug/L	0.00
20) 2-Butanone-d5	3.93	46	50585	102.27	ug/L	0.00
24) Chloroform-d	4.40	84	149309	53.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	93089	52.94	ug/L	0.00
29) Benzene-d6	5.10	84	293579	52.02	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	93067	51.75	ug/L	0.00
37) Toluene-d8	7.36	98	286759	53.06	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	45911	56.00	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	40910	108.72	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	89613	53.03	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	103041	50.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	70930	49.588	ug/L 98
3) Chloromethane	1.25	50	86577	49.757	ug/L 96
5) Vinyl chloride	1.32	62	103526	51.241	ug/L 100
6) Bromomethane	1.51	94	42629	43.507	ug/L 99
8) Chloroethane	1.58	64	62959	50.037	ug/L 98
9) Trichlorofluoromethane	1.76	101	151878	49.937	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88632	51.045	ug/L 98
12) 1,1-Dichloroethene	2.13	96	81477	50.112	ug/L 97
13) Acetone	2.19	43	76645	102.831	ug/L 100
14) Carbon disulfide	2.31	76	207876	52.027	ug/L 99
15) Methyl Acetate	2.45	43	43577	48.940	ug/L 96
16) Methylene chloride	2.53	84	79566	49.826	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	223117	54.803	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	77057	52.431	ug/L 100
19) 1,1-Dichloroethane	3.22	63	151498	53.395	ug/L 98
21) 2-Butanone	4.01	43	80458	112.307	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	89180	53.118	ug/L 97
23) Bromochloromethane	4.29	128	41144	54.518	ug/L 96
25) Chloroform	4.42	83	163141	52.193	ug/L 99
27) 1,2-Dichloroethane	5.18	62	120912	52.923	ug/L 99
30) Cyclohexane	4.72	56	141165	52.496	ug/L 97
31) 1,1,1-Trichloroethane	4.65	97	139538	52.196	ug/L 99
32) Carbon tetrachloride	4.87	117	121915	52.354	ug/L 97
34) Benzene	5.14	78	338438	53.771	ug/L 100
35) Trichloroethene	5.96	95	92617	52.533	ug/L 99
36) Methylcyclohexane	6.17	83	150925	53.412	ug/L 98
40) 1,2-Dichloropropane	6.22	63	90275	53.916	ug/L 98
41) Bromodichloromethane	6.55	83	127372	55.363	ug/L 98
42) cis-1,3-Dichloropropene	7.07	75	153268	57.874	ug/L 98
43) 4-Methyl-2-pentanone	7.27	43	148726	105.524	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	384883	53.841	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	127491	57.170	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	73292	53.283	ug/L	97
47) Tetrachloroethene	8.02	164	65650	51.417	ug/L	96
49) 2-Hexanone	8.18	43	118467	110.556	ug/L	96
50) Dibromochloromethane	8.29	129	88752	56.109	ug/L	99
51) 1,2-Dibromoethane	8.40	107	71268	53.645	ug/L	98
52) Chlorobenzene	8.92	112	253938	54.374	ug/L	99
53) Ethylbenzene	9.05	91	447231	53.957	ug/L	100
54) m,p-Xylene	9.18	106	165007	53.284	ug/L	99
55) o-xylene	9.59	106	168920	54.995	ug/L	94
56) Styrene	9.60	104	295211	56.824	ug/L	98
57) Isopropylbenzene	9.97	105	447283	54.579	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	97139	53.903	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	73015	51.914	ug/L	97
62) Bromoform	9.77	173	49388	55.322	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	192029	52.619	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	193377	51.875	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	185538	52.345	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	17150	52.143	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	140023	53.265	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	116621	57.335	ug/L	99
69) Naphthalene	13.55	128	263771	60.584	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	109806	57.551	ug/L	98

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

