

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021219\
 Data File : VV009284.D
 Acq On : 12 Feb 2019 13:21
 Operator : SY/MD
 Sample : VSTD02563
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

Quant Time: Feb 13 07:19:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 13 07:15:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	211094	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	198095	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98470	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82781	37.94	ug/L	0.00
7) Chloroethane-d5	1.58	69	48051	28.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	174537	31.37	ug/L	0.00
20) 2-Butanone-d5	3.95	46	76218	75.35	ug/L	0.00
24) Chloroform-d	4.40	84	157569	30.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	92162	31.97	ug/L	0.00
29) Benzene-d6	5.10	84	303433	29.54	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	92699	30.88	ug/L	0.00
37) Toluene-d8	7.36	98	275575	28.57	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	41877	28.89	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	46420	75.09	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	91378	30.71	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	93334	25.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89106	25.679	ug/L 100
3) Chloromethane	1.25	50	100283	38.571	ug/L 100
5) Vinyl chloride	1.32	62	100106	37.691	ug/L 100
6) Bromomethane	1.53	94	49485	28.160	ug/L 100
8) Chloroethane	1.60	64	43920	29.005	ug/L 100
9) Trichlorofluoromethane	1.77	101	150147	31.893	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83865	28.768	ug/L 100
12) 1,1-Dichloroethene	2.14	96	74459	29.125	ug/L 100
13) Acetone	2.21	43	118779	82.723	ug/L 100
14) Carbon disulfide	2.32	76	285218	33.398	ug/L 100
15) Methyl Acetate	2.47	43	66608	38.782	ug/L 100
16) Methylene chloride	2.54	84	92914	29.584	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	202596	29.810	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	85426	29.452	ug/L 100
19) 1,1-Dichloroethane	3.23	63	164906	33.767	ug/L 100
21) 2-Butanone	4.03	43	118026	79.859	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	89103	29.216	ug/L 100
23) Bromochloromethane	4.30	128	40204	28.065	ug/L 100
25) Chloroform	4.43	83	162124	31.717	ug/L 100
27) 1,2-Dichloroethane	5.18	62	120596	33.624	ug/L 100
30) Cyclohexane	4.73	56	156546	33.587	ug/L 100
31) 1,1,1-Trichloroethane	4.66	97	143924	30.136	ug/L 100
32) Carbon tetrachloride	4.88	117	127774	29.459	ug/L 100
34) Benzene	5.15	78	344656	31.139	ug/L 100
35) Trichloroethene	5.96	95	93814	29.990	ug/L 100
36) Methylcyclohexane	6.18	83	152329	29.106	ug/L 100
40) 1,2-Dichloropropane	6.22	63	92633	33.398	ug/L 100
41) Bromodichloromethane	6.56	83	117162	31.453	ug/L 100
42) cis-1,3-Dichloropropene	7.07	75	132315	31.426	ug/L 100
43) 4-Methyl-2-pentanone	7.28	43	170707	72.751	ug/L 100

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

44) Toluene	7.43	91	365293	30.741	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	119551	31.770	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	68826	29.383	ug/L	100
47) Tetrachloroethene	8.02	164	70372	26.894	ug/L	100
49) 2-Hexanone	8.19	43	157611	81.878	ug/L	100
50) Dibromochloromethane	8.29	129	79895	28.411	ug/L	100
51) 1,2-Dibromoethane	8.40	107	68138	28.658	ug/L	100
52) Chlorobenzene	8.93	112	224463	28.161	ug/L	100
53) Ethylbenzene	9.06	91	407235	30.510	ug/L	100
54) m,p-Xylene	9.18	106	148966	29.317	ug/L	100
55) o-xylene	9.59	106	139446	28.946	ug/L	100
56) Styrene	9.60	104	240562	29.785	ug/L	100
57) Isopropylbenzene	9.98	105	393235	29.783	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	97972	32.261	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	76900	31.832	ug/L	100
62) Bromoform	9.78	173	47597	27.431	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	171276	27.118	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	173402	26.897	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	164190	27.405	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	19784	33.169	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	131602	26.336	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	101422	25.352	ug/L	100
69) Naphthalene	13.55	128	207489	26.134	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	95283	25.830	ug/L	100

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

