

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021219\
 Data File : VV009283.D
 Acq On : 12 Feb 2019 12:55
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Manual Integrations
 APPROVED

mohammad
 2/16/2019 1:24:47 AM

Quant Time: Feb 13 07:29:23 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	5.66	114	204707	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	198819	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	93213	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19890	9.40	ug/L	0.00
7) Chloroethane-d5	1.59	69	14376	8.86	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	39896	7.39	ug/L	0.00
20) 2-Butanone-d5	3.98	46	14751m	15.04	ug/L	0.04
24) Chloroform-d	4.40	84	32783	6.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	18523	6.63	ug/L	0.00
29) Benzene-d6	5.10	84	62295	6.04	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	19224	6.38	ug/L	0.00
37) Toluene-d8	7.36	98	55189	5.70	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	7658	5.26	ug/L	0.00
39) 2-Hexanone-d5	8.15	63	7396	11.92	ug/L	0.01
48) 1,1,2,2-Tetrachloroethane-	10.26	84	18328	6.14	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	19539	5.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21810	6.481	ug/L 95
3) Chloromethane	1.25	50	22486	8.918	ug/L 98
5) Vinyl chloride	1.32	62	23069	8.957	ug/L 97
6) Bromomethane	1.54	94	11841	6.948	ug/L 99
8) Chloroethane	1.60	64	12328	8.395	ug/L 90
9) Trichlorofluoromethane	1.77	101	29009	6.354	ug/L 95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	17141	6.063	ug/L 96
12) 1,1-Dichloroethene	2.14	96	15804	6.375	ug/L 93
13) Acetone	2.23	43	20762	14.911	ug/L 84
14) Carbon disulfide	2.32	76	60276	7.278	ug/L 99
15) Methyl Acetate	2.48	43	13483	8.095	ug/L 97
16) Methylene chloride	2.54	84	26172	8.593	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	40283	6.112	ug/L 96
18) trans-1,2-Dichloroethene	2.79	96	17974	6.390	ug/L 98
19) 1,1-Dichloroethane	3.23	63	33271	7.025	ug/L 99
21) 2-Butanone	4.06	43	20936m	14.608	ug/L
22) cis-1,2-Dichloroethene	3.96	96	18106	6.122	ug/L 98
23) Bromochloromethane	4.30	128	8105	5.834	ug/L 92
25) Chloroform	4.43	83	32823	6.622	ug/L 99
27) 1,2-Dichloroethane	5.18	62	22674	6.519	ug/L 100
30) Cyclohexane	4.72	56	31436	6.720	ug/L 96
31) 1,1,1-Trichloroethane	4.66	97	28698	5.987	ug/L 99
32) Carbon tetrachloride	4.88	117	25607	5.882	ug/L 96
34) Benzene	5.15	78	67332	6.061	ug/L 100
35) Trichloroethene	5.96	95	18542	5.906	ug/L 96
36) Methylcyclohexane	6.18	83	29716	5.657	ug/L 96
40) 1,2-Dichloropropane	6.23	63	18486	6.641	ug/L # 97
41) Bromodichloromethane	6.56	83	22765	6.089	ug/L 93
42) cis-1,3-Dichloropropene	7.07	75	23359	5.528	ug/L 98
43) 4-Methyl-2-pentanone	7.29	43	33403	14.184	ug/L 95

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

44) Toluene	7.43	91	71450	5.991	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	20717	5.485	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	13441	5.717	ug/L	98
47) Tetrachloroethene	8.02	164	14146	5.387	ug/L	95
49) 2-Hexanone	8.20	43	25850	13.380	ug/L	96
50) Dibromochloromethane	8.29	129	14595	5.171	ug/L	94
51) 1,2-Dibromoethane	8.40	107	13273	5.562	ug/L	94
52) Chlorobenzene	8.93	112	44760	5.595	ug/L	98
53) Ethylbenzene	9.06	91	75565	5.641	ug/L	98
54) m,p-Xylene	9.18	106	28317	5.553	ug/L	97
55) o-xylene	9.59	106	26299	5.439	ug/L	95
56) Styrene	9.61	104	43440	5.359	ug/L	95
57) Isopropylbenzene	9.98	105	71060	5.362	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	20054	6.579	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	15662	6.459	ug/L	100
62) Bromoform	9.78	173	9236	5.623	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	34160	5.714	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	34004	5.572	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	31682	5.586	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3826	6.776	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	24510	5.182	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	17845	4.712	ug/L	98
69) Naphthalene	13.56	128	29792	3.964	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	15503	4.440	ug/L	98

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

