

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031319\
 Data File : VV009632.D
 Acq On : 13 Mar 2019 11:00
 Operator : SY/MD
 Sample : VSTD00579
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00579

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 7:53:46 AM

Quant Time: Mar 13 12:06:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 13 11:58:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	161832	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	148896	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68104	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11130	5.71	ug/L	0.00
7) Chloroethane-d5	1.58	69	17476	6.20	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	29163	5.75	ug/L	0.00
20) 2-Butanone-d5	3.96	46	5010m	7.55	ug/L	0.03
24) Chloroform-d	4.40	84	21090	5.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	11234	5.12	ug/L	0.00
29) Benzene-d6	5.10	84	40055	5.43	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	11920	5.48	ug/L	0.00
37) Toluene-d8	7.36	98	37743	5.25	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	4860	4.61	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	4198	8.27	ug/L	0.01
48) 1,1,2,2-Tetrachloroethane-	10.26	84	10951	4.72	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	13435	5.40	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13390	7.186	ug/L 98
3) Chloromethane	1.25	50	11606	5.844	ug/L 99
5) Vinyl chloride	1.32	62	13008	5.941	ug/L 94
6) Bromomethane	1.53	94	17116	6.280	ug/L 98
8) Chloroethane	1.59	64	13518	5.556	ug/L 100
9) Trichlorofluoromethane	1.76	101	26712	5.948	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	14056	5.589	ug/L 95
12) 1,1-Dichloroethene	2.14	96	12721	5.912	ug/L 94
13) Acetone	2.21	43	5084	7.533	ug/L 94
14) Carbon disulfide	2.32	76	30471	5.587	ug/L 99
15) Methyl Acetate	2.47	43	4517	4.133	ug/L 92
16) Methylene chloride	2.53	84	12781	6.018	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	24188	5.020	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	10445	5.405	ug/L 97
19) 1,1-Dichloroethane	3.23	63	18194	5.343	ug/L 94
21) 2-Butanone	4.05	43	7717m	9.059	ug/L
22) cis-1,2-Dichloroethene	3.96	96	11805	5.411	ug/L 98
23) Bromochloromethane	4.30	128	5326	5.294	ug/L 92
25) Chloroform	4.43	83	20765	5.464	ug/L 99
27) 1,2-Dichloroethane	5.18	62	14751	5.589	ug/L 98
30) Cyclohexane	4.73	56	17407	5.509	ug/L 100
31) 1,1,1-Trichloroethane	4.66	97	17802	5.348	ug/L 96
32) Carbon tetrachloride	4.88	117	15097	5.365	ug/L 96
34) Benzene	5.15	78	43824	5.696	ug/L 100
35) Trichloroethene	5.96	95	12245	5.538	ug/L 97
36) Methylcyclohexane	6.18	83	21483	5.964	ug/L 97
40) 1,2-Dichloropropane	6.22	63	10883	5.486	ug/L # 93
41) Bromodichloromethane	6.55	83	13582	5.072	ug/L 99
42) cis-1,3-Dichloropropene	7.07	75	14303	4.644	ug/L 93
43) 4-Methyl-2-pentanone	7.28	43	14473	9.255	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	47197	5.427	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	12517	4.654	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	8486	5.149	ug/L	96
47) Tetrachloroethene	8.02	164	9743	5.810	ug/L	93
49) 2-Hexanone	8.19	43	9944	8.409	ug/L	98
50) Dibromochloromethane	8.29	129	8807	4.414	ug/L	93
51) 1,2-Dibromoethane	8.40	107	8449	4.962	ug/L	97
52) Chlorobenzene	8.93	112	30474	5.287	ug/L	99
53) Ethylbenzene	9.06	91	50340	5.058	ug/L	98
54) m,p-Xylene	9.18	106	19234	5.107	ug/L	98
55) o-xylene	9.59	106	18531	5.102	ug/L	99
56) Styrene	9.61	104	28115	4.705	ug/L	99
57) Isopropylbenzene	9.98	105	49600	4.951	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	10944	4.703	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	8273	4.932	ug/L	100
62) Bromoform	9.78	173	4871	4.407	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	22841	5.369	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	23142	5.324	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	20538	5.177	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1420	3.574	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	15526	5.088	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	9910	4.056	ug/L	99
69) Naphthalene	13.55	128	13535	2.630	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	9178	4.084	ug/L	98

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

