

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022019\
 Data File : VV009308.D
 Acq On : 20 Feb 2019 19:26
 Operator : SY/MD
 Sample : VSTD2.569
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 4:26:58 PM

Quant Time: Feb 21 03:37:45 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	130746	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	118717	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56132	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5219	2.37	ug/L	0.00
7) Chloroethane-d5	1.57	69	5628	1.37	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	12040	2.04	ug/L	0.00
20) 2-Butanone-d5	3.96	46	3501m	6.46	ug/L	0.02
24) Chloroform-d	4.41	84	7604	2.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	3617	1.99	ug/L	0.00
29) Benzene-d6	5.10	84	14817	2.48	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	4485	2.55	ug/L	0.00
37) Toluene-d8	7.36	98	14680	2.54	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2391	2.66	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2833	7.18	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	4820	2.71	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	5545	2.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3937	2.947 ug/L	92
3) Chloromethane	1.25	50	4755	2.166 ug/L	99
5) Vinyl chloride	1.32	62	5273	1.940 ug/L #	80
6) Bromomethane	1.53	94	4951	1.528 ug/L	92
8) Chloroethane	1.59	64	4394	1.170 ug/L	93
9) Trichlorofluoromethane	1.76	101	9846	1.777 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5832	1.883 ug/L	94
12) 1,1-Dichloroethene	2.14	96	4664	1.722 ug/L	99
13) Acetone	2.20	43	3655	6.153 ug/L	94
14) Carbon disulfide	2.32	76	12693	2.680 ug/L #	94
15) Methyl Acetate	2.47	43	1848	2.316 ug/L #	84
16) Methylene chloride	2.54	84	6931	4.064 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	10372	2.525 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	4402	2.689 ug/L	86
19) 1,1-Dichloroethane	3.23	63	6925	2.293 ug/L	98
21) 2-Butanone	4.05	43	3306m	4.483 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	4441	2.349 ug/L	96
23) Bromochloromethane	4.30	128	2049m	2.455 ug/L	
25) Chloroform	4.43	83	7602	2.365 ug/L	97
27) 1,2-Dichloroethane	5.19	62	4886	2.025 ug/L #	93
30) Cyclohexane	4.73	56	7423	2.568 ug/L #	92
31) 1,1,1-Trichloroethane	4.66	97	6660	2.319 ug/L	97
32) Carbon tetrachloride	4.87	117	5592	2.273 ug/L	98
34) Benzene	5.15	78	16082	2.389 ug/L	100
35) Trichloroethene	5.96	95	4940	2.777 ug/L #	81
36) Methylcyclohexane	6.18	83	8374	2.683 ug/L	96
40) 1,2-Dichloropropane	6.22	63	3918	2.429 ug/L #	85
41) Bromodichloromethane	6.56	83	5332	2.269 ug/L	90
42) cis-1,3-Dichloropropene	7.07	75	6740	2.503 ug/L	95
43) 4-Methyl-2-pentanone	7.28	43	7507	5.652 ug/L #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	17916	2.348	ug/L	97
45) trans-1,3-Dichloropropene	7.70	75	5702	2.333	ug/L	89
46) 1,1,2-Trichloroethane	7.89	97	3569	2.697	ug/L	91
47) Tetrachloroethene	8.02	164	3511	2.370	ug/L	98
49) 2-Hexanone	8.19	43	5253	4.921	ug/L #	88
50) Dibromochloromethane	8.30	129	3939	2.305	ug/L	97
51) 1,2-Dibromoethane	8.40	107	3434	2.508	ug/L #	99
52) Chlorobenzene	8.93	112	11187	2.247	ug/L	96
53) Ethylbenzene	9.06	91	19962	2.289	ug/L	97
54) m,p-Xylene	9.18	106	7954	2.384	ug/L	89
55) o-xylene	9.59	106	6652	2.050	ug/L	96
56) Styrene	9.61	104	11674	2.087	ug/L	99
57) Isopropylbenzene	9.98	105	20405	2.317	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	4978	2.666	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	3691m	2.725	ug/L	
62) Bromoform	9.77	173	2611	2.485	ug/L #	97
63) 1,3-Dichlorobenzene	11.23	146	9053	2.445	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	8837	2.365	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	8495	2.426	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1077	3.243	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.69	180	6296	2.297	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	5001	2.239	ug/L	93
69) Naphthalene	13.55	128	9333	2.140	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	4581	2.276	ug/L	97

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

