

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010688.D
 Acq On : 07 May 2019 11:17
 Operator : SY/MD
 Sample : VSTD2.561
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:46:16 AM

Quant Time: May 08 02:36:34 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	100998	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	100622	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44808	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3983	2.54	ug/L	0.00
7) Chloroethane-d5	1.57	69	3311	2.56	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	8841	2.60	ug/L	0.00
20) 2-Butanone-d5	3.94	46	1999	4.13	ug/L	0.00
24) Chloroform-d	4.40	84	6307	2.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	4117	2.39	ug/L	0.00
29) Benzene-d6	5.10	84	12833	2.42	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	4199	2.49	ug/L	0.00
37) Toluene-d8	7.36	98	11699	2.31	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	1674	2.18	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	1462	4.14	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	3561	2.25	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	4428	2.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3532	2.525 ug/L	91
3) Chloromethane	1.25	50	4311	2.533 ug/L	97
5) Vinyl chloride	1.32	62	4835	2.447 ug/L	100
6) Bromomethane	1.51	94	2950	3.079 ug/L	96
8) Chloroethane	1.59	64	3315	2.694 ug/L	87
9) Trichlorofluoromethane	1.76	101	7693	2.587 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4136	2.436 ug/L	93
12) 1,1-Dichloroethene	2.14	96	4098	2.577 ug/L	95
13) Acetone	2.19	43	3616	4.961 ug/L	96
14) Carbon disulfide	2.31	76	9247	2.367 ug/L	97
15) Methyl Acetate	2.46	43	2210	2.538 ug/L #	70
16) Methylene chloride	2.53	84	4045	2.590 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	8655	2.174 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	3393	2.361 ug/L	84
19) 1,1-Dichloroethane	3.23	63	6296	2.269 ug/L	99
21) 2-Butanone	4.03	43	2502	3.571 ug/L #	76
22) cis-1,2-Dichloroethene	3.96	96	3883	2.365 ug/L	93
23) Bromochloromethane	4.30	128	1556	2.108 ug/L	85
25) Chloroform	4.43	83	7380	2.414 ug/L	100
27) 1,2-Dichloroethane	5.18	62	5238	2.344 ug/L	97
30) Cyclohexane	4.73	56	6079	2.409 ug/L #	90
31) 1,1,1-Trichloroethane	4.66	97	6159	2.455 ug/L	94
32) Carbon tetrachloride	4.87	117	5013	2.294 ug/L	99
34) Benzene	5.15	78	13585	2.300 ug/L	100
35) Trichloroethene	5.96	95	3964	2.396 ug/L #	65
36) Methylcyclohexane	6.17	83	6322	2.384 ug/L	97
40) 1,2-Dichloropropane	6.22	63	3539	2.252 ug/L #	87
41) Bromodichloromethane	6.55	83	4808	2.227 ug/L #	98
42) cis-1,3-Dichloropropene	7.07	75	4703	1.892 ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	5802	4.386 ug/L #	66

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

44) Toluene	7.43	91	14913	2.223	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	4179	1.997	ug/L	92
46) 1,1,2-Trichloroethane	7.88	97	3086	2.391	ug/L	91
47) Tetrachloroethene	8.02	164	2755	2.299	ug/L	87
49) 2-Hexanone	8.19	43	3853	3.831	ug/L #	93
50) Dibromochloromethane	8.29	129	3065	2.065	ug/L	83
51) 1,2-Dibromoethane	8.40	107	2749	2.205	ug/L #	96
52) Chlorobenzene	8.92	112	9999	2.281	ug/L	94
53) Ethylbenzene	9.05	91	17390	2.236	ug/L	98
54) m,p-Xylene	9.19	106	6326	2.177	ug/L	100
55) o-xylene	9.59	106	6061	2.103	ug/L	94
56) Styrene	9.60	104	9711	1.992	ug/L	96
57) Isopropylbenzene	9.97	105	16097	2.093	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	3646	2.156	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	2984	2.261	ug/L	98
62) Bromoform	9.77	173	1559	2.043	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	7404	2.374	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	7758	2.435	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	7407	2.445	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	671m	2.387	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	5321	2.368	ug/L	96
68) 1,2,4-trichlorobenzene	13.32	180	3547	2.040	ug/L	95
69) Naphthalene	13.55	128	6184	1.662	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.79	180	3222	1.976	ug/L	97

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

