

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022619\
 Data File : VV009360.D
 Acq On : 26 Feb 2019 10:08
 Operator : SY/MD
 Sample : VSTD2.581
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.581

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 6:54:15 AM

Quant Time: Feb 26 12:03:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 26 11:56:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	156402	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138206	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62551	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5772	2.77	ug/L	0.00
7) Chloroethane-d5	1.57	69	8202	3.33	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	14881	2.91	ug/L	0.00
20) 2-Butanone-d5	3.96	46	2635m	3.62	ug/L	0.03
24) Chloroform-d	4.40	84	9660	2.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	4895	2.49	ug/L	0.00
29) Benzene-d6	5.10	84	20076	2.90	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	5565	2.73	ug/L	0.00
37) Toluene-d8	7.36	98	18061	2.74	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2762	2.64	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2027	3.57	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	4370	1.96	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	5989	2.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5643	3.091 ug/L	95
3) Chloromethane	1.25	50	6160	2.762 ug/L	98
5) Vinyl chloride	1.32	62	6758	2.672 ug/L	96
6) Bromomethane	1.53	94	7419	3.152 ug/L	94
8) Chloroethane	1.59	64	6833	3.201 ug/L	98
9) Trichlorofluoromethane	1.76	101	13001	2.730 ug/L	91
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7453	2.737 ug/L	97
12) 1,1-Dichloroethene	2.14	96	6479	2.823 ug/L	82
13) Acetone	2.20	43	3367	4.730 ug/L	67
14) Carbon disulfide	2.31	76	16025	2.610 ug/L	97
15) Methyl Acetate	2.47	43	2012	1.938 ug/L	100
16) Methylene chloride	2.54	84	6950	2.938 ug/L	87
17) Methyl tert-butyl Ether	2.81	73	13041	2.566 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	5242	2.536 ug/L	90
19) 1,1-Dichloroethane	3.23	63	9499	2.766 ug/L	96
21) 2-Butanone	4.04	43	3476m	4.262 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	5791	2.564 ug/L	92
23) Bromochloromethane	4.30	128	2642m	2.556 ug/L	
25) Chloroform	4.42	83	10209	2.794 ug/L	93
27) 1,2-Dichloroethane	5.18	62	6449	2.607 ug/L	99
30) Cyclohexane	4.72	56	9249	2.887 ug/L #	94
31) 1,1,1-Trichloroethane	4.66	97	9390	3.008 ug/L #	63
32) Carbon tetrachloride	4.87	117	7920	3.003 ug/L	96
34) Benzene	5.15	78	21246	2.811 ug/L	100
35) Trichloroethene	5.96	95	5946	2.829 ug/L	98
36) Methylcyclohexane	6.17	83	10643	2.895 ug/L	94
40) 1,2-Dichloropropane	6.22	63	5353	2.919 ug/L #	89
41) Bromodichloromethane	6.56	83	7244	2.773 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	7823	2.513 ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	6719	4.364 ug/L #	91

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44) Toluene	7.43	91	23770	2.836	ug/L	94
45) trans-1,3-Dichloropropene	7.70	75	7029	2.579	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	4132	2.530	ug/L	97
47) Tetrachloroethene	8.02	164	4047	2.463	ug/L	94
49) 2-Hexanone	8.19	43	4989	4.213	ug/L #	91
50) Dibromochloromethane	8.29	129	4683	2.378	ug/L	87
51) 1,2-Dibromoethane	8.40	107	3968	2.422	ug/L #	93
52) Chlorobenzene	8.92	112	14926	2.735	ug/L	96
53) Ethylbenzene	9.06	91	26970	2.848	ug/L	99
54) m,p-Xylene	9.18	106	9878	2.674	ug/L	93
55) o-xylene	9.59	106	9272	2.674	ug/L	92
56) Styrene	9.61	104	15153	2.546	ug/L	95
57) Isopropylbenzene	9.98	105	25752	2.682	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	5376	2.333	ug/L	91
59) 1,2,3-Trichloropropane	10.32	75	3612	2.187	ug/L	96
62) Bromoform	9.78	173	2534	2.191	ug/L #	95
63) 1,3-Dichlorobenzene	11.23	146	10912	2.716	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	10866	2.713	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	10305	2.735	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	863m	2.063	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	7231	2.487	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	4996	2.106	ug/L	98
69) Naphthalene	13.56	128	8255	1.623	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.80	180	4762	2.175	ug/L	98

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

