

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042219\
 Data File : VV010411.D
 Acq On : 22 Apr 2019 13:07
 Operator : SY/MD
 Sample : VSTD00578
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 9:20:39 AM

Quant Time: Apr 22 14:10:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 22 14:00:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	502323	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	483979	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	245836	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38704	6.07	ug/L	0.00
7) Chloroethane-d5	1.57	69	29921	5.58	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	73276	4.76	ug/L	0.00
20) 2-Butanone-d5	3.94	46	14621m	7.36	ug/L	0.00
24) Chloroform-d	4.40	84	61405	4.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	39019	5.01	ug/L	0.00
29) Benzene-d6	5.10	84	117966	4.76	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	33966	4.68	ug/L	0.00
37) Toluene-d8	7.36	98	117441	4.93	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	14908	4.18	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	11254	6.97	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	29274	4.04	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	46060	4.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	42073	5.522 ug/L	99
3) Chloromethane	1.25	50	34656	5.234 ug/L	99
5) Vinyl chloride	1.32	62	41373	5.981 ug/L	98
6) Bromomethane	1.51	94	19490	4.405 ug/L	98
8) Chloroethane	1.59	64	23686	5.372 ug/L	100
9) Trichlorofluoromethane	1.76	101	68478	4.820 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	39447	5.271 ug/L	96
12) 1,1-Dichloroethene	2.13	96	34847	5.340 ug/L	94
13) Acetone	2.19	43	20032	9.556 ug/L	97
14) Carbon disulfide	2.31	76	79635	4.947 ug/L	96
15) Methyl Acetate	2.46	43	12741	3.723 ug/L	94
16) Methylene chloride	2.53	84	41547	5.178 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	77491	4.931 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	30556	4.936 ug/L	95
19) 1,1-Dichloroethane	3.23	63	52641	4.978 ug/L	98
21) 2-Butanone	4.02	43	17792	7.829 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	32485	4.607 ug/L	95
23) Bromochloromethane	4.29	128	15980m	4.528 ug/L	
25) Chloroform	4.42	83	63730	5.172 ug/L	99
27) 1,2-Dichloroethane	5.18	62	43963	4.993 ug/L	99
30) Cyclohexane	4.72	56	49632	5.595 ug/L #	89
31) 1,1,1-Trichloroethane	4.66	97	55498	5.201 ug/L	98
32) Carbon tetrachloride	4.87	117	51929	5.158 ug/L	98
34) Benzene	5.14	78	120527	5.103 ug/L	100
35) Trichloroethene	5.96	95	35476	5.077 ug/L	98
36) Methylcyclohexane	6.17	83	54269	5.334 ug/L	99
40) 1,2-Dichloropropane	6.22	63	27281	4.504 ug/L #	97
41) Bromodichloromethane	6.55	83	42818	5.037 ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	43360	4.746 ug/L	95
43) 4-Methyl-2-pentanone	7.27	43	40487	8.555 ug/L	96

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44) Toluene	7.43	91	132339	4.970	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	38116	4.475	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	23951	4.389	ug/L	95
47) Tetrachloroethene	8.02	164	30609	4.909	ug/L	93
49) 2-Hexanone	8.18	43	25760	7.776	ug/L	93
50) Dibromochloromethane	8.29	129	30790	4.595	ug/L	96
51) 1,2-Dibromoethane	8.40	107	25827	4.772	ug/L	99
52) Chlorobenzene	8.93	112	92702	5.004	ug/L	95
53) Ethylbenzene	9.05	91	154707	5.114	ug/L	99
54) m,p-Xylene	9.18	106	57427	4.904	ug/L	95
55) o-xylene	9.59	106	59219	5.244	ug/L	96
56) Styrene	9.60	104	92431	4.793	ug/L	98
57) Isopropylbenzene	9.97	105	154582	5.137	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	29262	4.147	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	22611	4.425	ug/L	98
62) Bromoform	9.78	173	17350	4.565	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	74698	4.982	ug/L	95
64) 1,4-Dichlorobenzene	11.32	146	76969	4.979	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	70063	4.840	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	4545	3.929	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	57440	4.606	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	39505	3.964	ug/L	98
69) Naphthalene	13.55	128	56263	3.057	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	36920	3.813	ug/L	97

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

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