

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022019\
 Data File : VW008752.D
 Acq On : 20 Feb 2019 11:15
 Operator : SY/VA
 Sample : VSTD2.501
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:16:56 AM

Quant Time: Feb 20 12:40:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 20 12:31:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	452944	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	456647	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	245725	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	20352	4.56	ug/L	0.00
7) Chloroethane-d5	2.88	69	17526	5.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	31580	2.61	ug/L	0.00
20) 2-Butanone-d5	7.09	46	9865	5.18	ug/L	0.00
24) Chloroform-d	7.65	84	28891	2.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	17271	2.39	ug/L	0.00
29) Benzene-d6	8.27	84	54952	2.15	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	16413	2.36	ug/L	0.00
37) Toluene-d8	10.32	98	54551	2.19	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7966	1.99	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	7907	4.44	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	16055	2.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	22439	2.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	22599	4.527 ug/L	99
3) Chloromethane	2.21	50	23173	5.890 ug/L	97
5) Vinyl chloride	2.35	62	22801	4.659 ug/L	88
6) Bromomethane	2.77	94	14740	5.077 ug/L	97
8) Chloroethane	2.92	64	15340m	6.309 ug/L	
9) Trichlorofluoromethane	3.26	101	28195	6.672 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	16176	2.829 ug/L #	90
12) 1,1-Dichloroethene	4.04	96	14565	2.782 ug/L	89
13) Acetone	4.14	43	12007	6.456 ug/L	88
14) Carbon disulfide	4.38	76	44985	2.713 ug/L #	94
15) Methyl Acetate	4.68	43	10784m	3.810 ug/L	
16) Methylene chloride	4.92	84	22889	3.123 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	39839	4.281 ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	15161	2.669 ug/L	93
19) 1,1-Dichloroethane	6.22	63	26690	2.825 ug/L	91
21) 2-Butanone	7.18	43	14984	7.080 ug/L	84
22) cis-1,2-Dichloroethene	7.17	96	16666	2.738 ug/L	95
23) Bromochloromethane	7.51	128	7739	2.824 ug/L	97
25) Chloroform	7.68	83	28221	2.652 ug/L	99
27) 1,2-Dichloroethane	8.40	62	21061	2.698 ug/L	97
30) Cyclohexane	7.96	56	25785	2.567 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	26511	2.421 ug/L	97
32) Carbon tetrachloride	8.07	117	23865	2.270 ug/L	100
34) Benzene	8.32	78	60674	2.483 ug/L	100
35) Trichloroethene	9.09	95	16846	2.373 ug/L	96
36) Methylcyclohexane	9.34	83	28498	2.341 ug/L	98
40) 1,2-Dichloropropane	9.37	63	14880	2.591 ug/L	100
41) Bromodichloromethane	9.64	83	20337	2.407 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	23408	2.335 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	25681	5.649 ug/L	98

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44) Toluene	10.39	91	68834	2.518	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	21078	2.281	ug/L	92
46) 1,1,2-Trichloroethane	10.79	97	12615	2.596	ug/L	95
47) Tetrachloroethene	10.86	164	14752	2.615	ug/L	92
49) 2-Hexanone	10.97	43	19014	5.797	ug/L	98
50) Dibromochloromethane	11.13	129	14324	2.314	ug/L	98
51) 1,2-Dibromoethane	11.24	107	12713	2.563	ug/L #	87
52) Chlorobenzene	11.66	112	48533	2.727	ug/L	99
53) Ethylbenzene	11.73	91	79693	2.537	ug/L	99
54) m,p-Xylene	11.84	106	31492	2.661	ug/L	99
55) o-xylene	12.16	106	30227	2.693	ug/L	92
56) Styrene	12.18	104	48097	2.528	ug/L	97
57) Isopropylbenzene	12.47	105	79274	2.493	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	16681	2.768	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	12078m	2.492	ug/L	
62) Bromoform	12.35	173	8586	2.216	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	41209	2.623	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	42528	2.722	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	37695	2.643	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	3334	2.371	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	31936	2.776	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	27260	2.760	ug/L	99
69) Naphthalene	15.37	128	52156	2.333	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	25635	2.932	ug/L	97

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

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