

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120718\
 Data File : VW007306.D
 Acq On : 07 Dec 2018 13:14
 Operator : SY/AP
 Sample : VSTD2.592
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.592

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:08:30 PM

Quant Time: Dec 07 15:23:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 15:11:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	135728	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	113905	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	57265	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	1419	1.23	ug/L	0.00
7) Chloroethane-d5	2.89	69	1769m	2.14	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	6768	2.25	ug/L	0.00
20) 2-Butanone-d5	7.09	46	3079	6.58	ug/L	0.00
24) Chloroform-d	7.65	84	7606	2.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	4591	2.79	ug/L	0.00
29) Benzene-d6	8.27	84	14897	2.75	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	4322	2.79	ug/L	0.00
37) Toluene-d8	10.32	98	13813	2.41	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	2126	2.80	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2182	6.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	4072	2.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	5006	2.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	3895m	1.570 ug/L	
3) Chloromethane	2.21	50	3041	1.755 ug/L	96
5) Vinyl chloride	2.36	62	2016m	1.300 ug/L	
6) Bromomethane	2.78	94	1915	2.152 ug/L	97
8) Chloroethane	2.93	64	1673	2.002 ug/L #	78
9) Trichlorofluoromethane	3.26	101	2868	0.987 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	4429m	2.583 ug/L	
12) 1,1-Dichloroethene	4.04	96	3801	2.516 ug/L	78
13) Acetone	4.12	43	5340	16.300 ug/L	64
14) Carbon disulfide	4.37	76	10121	1.893 ug/L	100
15) Methyl Acetate	4.68	43	2627m	3.234 ug/L	
16) Methylene chloride	4.91	84	8391m	3.867 ug/L	
17) Methyl tert-butyl Ether	5.42	73	6532	1.682 ug/L #	78
18) trans-1,2-Dichloroethene	5.41	96	4259	2.549 ug/L	95
19) 1,1-Dichloroethane	6.21	63	7264	2.629 ug/L	92
21) 2-Butanone	7.18	43	4393	8.735 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	4642	2.599 ug/L	92
23) Bromochloromethane	7.52	128	2152m	2.769 ug/L	
25) Chloroform	7.67	83	7776	2.594 ug/L	94
27) 1,2-Dichloroethane	8.40	62	5813	2.923 ug/L	100
30) Cyclohexane	7.95	56	7040	2.836 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	6890	2.921 ug/L	97
32) Carbon tetrachloride	8.06	117	6544	3.057 ug/L	98
34) Benzene	8.32	78	16293	2.760 ug/L	100
35) Trichloroethene	9.09	95	4814	3.008 ug/L	98
36) Methylcyclohexane	9.34	83	8394	2.825 ug/L	99
40) 1,2-Dichloropropane	9.37	63	4205	2.970 ug/L #	95
41) Bromodichloromethane	9.65	83	5921	3.194 ug/L	87
42) cis-1,3-Dichloropropene	10.07	75	6481	2.882 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	6944	6.628 ug/L	98

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44) Toluene	10.39	91	17856	2.525	ug/L	83
45) trans-1,3-Dichloropropene	10.61	75	5594	2.831	ug/L	92
46) 1,1,2-Trichloroethane	10.79	97	3587	3.217	ug/L	87
47) Tetrachloroethene	10.87	164	3728	2.667	ug/L	93
49) 2-Hexanone	10.97	43	4997	7.046	ug/L #	92
50) Dibromochloromethane	11.13	129	4154	3.059	ug/L	92
51) 1,2-Dibromoethane	11.24	107	3439	3.044	ug/L	99
52) Chlorobenzene	11.66	112	11625	2.493	ug/L	91
53) Ethylbenzene	11.73	91	20528	2.504	ug/L	91
54) m,p-Xylene	11.84	106	7776	2.430	ug/L	99
55) o-xylene	12.17	106	7387	2.490	ug/L	98
56) Styrene	12.18	104	12604	2.512	ug/L	100
57) Isopropylbenzene	12.47	105	20021	2.427	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	4465	3.151	ug/L	89
59) 1,2,3-Trichloropropane	12.77	75	3577	3.230	ug/L	91
62) Bromoform	12.35	173	2448	3.122	ug/L	94
63) 1,3-Dichlorobenzene	13.51	146	9199	2.441	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	9209	2.430	ug/L	88
65) 1,2-Dichlorobenzene	13.87	146	8386	2.432	ug/L #	87
66) 1,2-Dibromo-3-chloropropan	14.49	75	984m	3.519	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	6825	2.412	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	6039	2.510	ug/L	94
69) Naphthalene	15.38	128	15175	2.962	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	5552	2.645	ug/L	94

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

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