

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
 Data File : VW013850.D
 Acq On : 31 Oct 2019 11:03
 Operator : SY/VA
 Sample : VSTD00505
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Manual Integrations
 APPROVED

MMDadoda
 11/1/2019 12:05:32 PM

Quant Time: Oct 31 12:10:34 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 31 12:00:18 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	298259	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	295003	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180400	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	24925	6.81	ug/L	0.00
7) Chloroethane-d5	2.89	69	18544	5.43	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	48658	6.02	ug/L	0.00
20) 2-Butanone-d5	7.07	46	17269	13.19	ug/L	0.00
24) Chloroform-d	7.65	84	47687	5.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	26674	6.11	ug/L	0.00
29) Benzene-d6	8.27	84	101008	5.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	30545	5.77	ug/L	0.00
37) Toluene-d8	10.32	98	96070	5.88	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13202	5.53	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	13471	13.31	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28914	6.67	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	37019	5.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	18135	5.406 ug/L	98
3) Chloromethane	2.21	50	17538	4.829 ug/L	96
5) Vinyl chloride	2.36	62	25472	5.613 ug/L	93
6) Bromomethane	2.78	94	15915	4.853 ug/L	96
8) Chloroethane	2.92	64	13642	4.448 ug/L	90
9) Trichlorofluoromethane	3.25	101	10348	3.383 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	25046	5.200 ug/L #	59
12) 1,1-Dichloroethene	4.04	96	23759	5.012 ug/L	91
13) Acetone	4.12	43	17195	11.837 ug/L	96
14) Carbon disulfide	4.39	76	68168	5.026 ug/L	98
15) Methyl Acetate	4.67	43	13786m	5.808 ug/L	
16) Methylene chloride	4.92	84	31909	5.587 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	30242	4.611 ug/L #	88
18) trans-1,2-Dichloroethene	5.42	96	25787	4.921 ug/L	92
19) 1,1-Dichloroethane	6.21	63	44015	4.962 ug/L	95
21) 2-Butanone	7.18	43	23374	12.673 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	27049	4.809 ug/L	99
23) Bromochloromethane	7.51	128	12994	5.111 ug/L	95
25) Chloroform	7.67	83	44989	5.050 ug/L	100
27) 1,2-Dichloroethane	8.40	62	29248	5.122 ug/L	95
30) Cyclohexane	7.95	56	40248	4.657 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	33631	4.888 ug/L	97
32) Carbon tetrachloride	8.06	117	33218	4.958 ug/L	98
34) Benzene	8.32	78	101024	4.773 ug/L	100
35) Trichloroethene	9.09	95	26727	4.921 ug/L	99
36) Methylcyclohexane	9.33	83	45392	4.742 ug/L	99
40) 1,2-Dichloropropane	9.37	63	25184	4.866 ug/L	99
41) Bromodichloromethane	9.65	83	30915	4.875 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	37736	4.618 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	38981	11.040 ug/L	99

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

44) Toluene	10.38	91	108411	4.767	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	30341	4.600	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	20562	5.151	ug/L	91
47) Tetrachloroethene	10.86	164	24315	4.891	ug/L	97
49) 2-Hexanone	10.97	43	28755	11.479	ug/L	96
50) Dibromochloromethane	11.13	129	22854	4.852	ug/L	95
51) 1,2-Dibromoethane	11.24	107	19680	5.070	ug/L	96
52) Chlorobenzene	11.66	112	71529	4.916	ug/L	96
53) Ethylbenzene	11.73	91	118488	4.716	ug/L	99
54) m,p-Xylene	11.84	106	46557	4.795	ug/L	92
55) o-xylene	12.16	106	43648	4.737	ug/L	100
56) Styrene	12.18	104	73007	4.632	ug/L	100
57) Isopropylbenzene	12.46	105	115812	4.686	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	25787	5.512	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	19938	5.715	ug/L	94
62) Bromoform	12.35	173	15160	4.904	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	57963	4.735	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	58780	4.779	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	53404	4.815	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	4362	5.722	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	43839	4.817	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	33368	4.319	ug/L	95
69) Naphthalene	15.36	128	59517	4.251	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	32256	4.662	ug/L	96

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

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