

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120718\
 Data File : VW007331.D
 Acq On : 08 Dec 2018 02:09
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:09:38 PM

Quant Time: Dec 08 04:44:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 08 02:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	138884	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	116402	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	56951	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	27721	30.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.56%
7) Chloroethane-d5	2.89	69	20993	27.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.60%
10) 1,1-Dichloroethene-d2	4.01	63	88646	28.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.64%#
20) 2-Butanone-d5	7.07	46	25688	45.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.10%
24) Chloroform-d	7.65	84	91353	27.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.56%
26) 1,2-Dichloroethane-d4	8.31	65	51945	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.44%
29) Benzene-d6	8.27	84	180523	28.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.20%
33) 1,2-Dichloropropane-d6	9.27	67	50759	28.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.52%
37) Toluene-d8	10.32	98	170133	28.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.80%
38) trans-1,3-Dichloropropene-	10.58	79	24872	26.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.88%
39) 2-Hexanone-d5	10.93	63	20118	46.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	40026	24.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	56360	28.13	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	39325m	25.927 ug/L	
3) Chloromethane	2.22	50	29716	24.474 ug/L	99
5) Vinyl chloride	2.37	62	34503	30.120 ug/L	100
6) Bromomethane	2.78	94	21036	26.550 ug/L	96
8) Chloroethane	2.93	64	17991	26.091 ug/L	96
9) Trichlorofluoromethane	3.26	101	30201	22.968 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	45556	25.989 ug/L	98
12) 1,1-Dichloroethene	4.03	96	43232	26.506 ug/L	97
13) Acetone	4.12	43	22138	33.388 ug/L	98
14) Carbon disulfide	4.37	76	130587	27.421 ug/L	99
15) Methyl Acetate	4.67	43	21991	22.118 ug/L #	90
16) Methylene chloride	4.91	84	45803	20.411 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	69624	26.252 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	46023	26.302 ug/L	100
19) 1,1-Dichloroethane	6.21	63	79967	26.810 ug/L	97
21) 2-Butanone	7.17	43	29476	41.360 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	51118	26.547 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	23076	26.288	ug/L	94
25) Chloroform	7.67	83	88584	27.449	ug/L	99
27) 1,2-Dichloroethane	8.40	62	60230	26.108	ug/L	100
30) Cyclohexane	7.95	56	73353	26.268	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	75966	27.728	ug/L	98
32) Carbon tetrachloride	8.07	117	73043	27.590	ug/L	98
34) Benzene	8.32	78	183556	27.511	ug/L	100
35) Trichloroethene	9.09	95	51245	26.785	ug/L	99
36) Methylcyclohexane	9.34	83	86407	26.162	ug/L	98
40) 1,2-Dichloropropane	9.37	63	43642	26.740	ug/L	99
41) Bromodichloromethane	9.65	83	64622	27.576	ug/L	92
42) cis-1,3-Dichloropropene	10.07	75	72260	26.364	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	59647	46.174	ug/L	99
44) Toluene	10.39	91	201457	28.013	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	62711	26.054	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	35376	26.324	ug/L	93
47) Tetrachloroethene	10.87	164	39716	27.481	ug/L	92
49) 2-Hexanone	10.97	43	39457	43.459	ug/L	97
50) Dibromochloromethane	11.13	129	45872	27.785	ug/L	97
51) 1,2-Dibromoethane	11.24	107	35473	26.283	ug/L	100
52) Chlorobenzene	11.66	112	124015	26.571	ug/L	92
53) Ethylbenzene	11.73	91	216825	26.813	ug/L	95
54) m,p-Xylene	11.84	106	84975	27.663	ug/L	91
55) o-xylene	12.17	106	77829	26.810	ug/L	100
56) Styrene	12.18	104	135791	27.288	ug/L	95
57) Isopropylbenzene	12.46	105	223128	27.539	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	42415	25.460	ug/L	90
59) 1,2,3-Trichloropropane	12.77	75	31394	23.806	ug/L	99
62) Bromoform	12.35	173	25829	26.483	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	96270	26.312	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	99761	27.351	ug/L	90
65) 1,2-Dichlorobenzene	13.88	146	93245	28.477	ug/L #	88
66) 1,2-Dibromo-3-chloropropan	14.49	75	8111	23.387	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	70435	26.576	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	60365	26.418	ug/L	98
69) Naphthalene	15.37	128	137454	24.337	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	55814	26.868	ug/L	99

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

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