

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110619\
 Data File : VW013915.D
 Acq On : 06 Nov 2019 09:33
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 1:05:53 PM

Quant Time: Nov 07 00:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 05 09:54:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	290941	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	272283	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162195	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	95646	21.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.52%
7) Chloroethane-d5	2.89	69	81467	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
10) 1,1-Dichloroethene-d2	4.02	63	205169	22.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.00%
20) 2-Butanone-d5	7.07	46	66067	40.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.12%
24) Chloroform-d	7.65	84	207724	22.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	8.31	65	104357	21.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.60%
29) Benzene-d6	8.27	84	419995	23.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.12%
33) 1,2-Dichloropropane-d6	9.27	67	126538	22.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.68%
37) Toluene-d8	10.32	98	389815	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.12%
38) trans-1,3-Dichloropropene-	10.58	79	53925	21.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.56%
39) 2-Hexanone-d5	10.92	63	53574	42.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106323	21.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	144622	22.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	73547	23.519 ug/L	95
3) Chloromethane	2.21	50	82664	23.049 ug/L	98
5) Vinyl chloride	2.37	62	129049	25.193 ug/L	98
6) Bromomethane	2.78	94	76672	23.796 ug/L	96
8) Chloroethane	2.92	64	75032	25.802 ug/L	99
9) Trichlorofluoromethane	3.26	101	77056	29.530 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	126397	25.240 ug/L	98
12) 1,1-Dichloroethene	4.04	96	124001	24.696 ug/L	82
13) Acetone	4.12	43	58614	36.944 ug/L	97
14) Carbon disulfide	4.39	76	369315	25.735 ug/L	99
15) Methyl Acetate	4.67	43	55486m	20.197 ug/L	
16) Methylene chloride	4.92	84	123525	22.707 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	149936	23.605 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	127421	24.350 ug/L	97
19) 1,1-Dichloroethane	6.21	63	218586	24.603 ug/L	100
21) 2-Butanone	7.17	43	79688	36.592 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	133145	24.195 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58877	22.754	ug/L	94
25) Chloroform	7.67	83	214520	24.015	ug/L	98
27) 1,2-Dichloroethane	8.40	62	132168	22.371	ug/L	100
30) Cyclohexane	7.95	56	216397	26.337	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	177595	26.635	ug/L	100
32) Carbon tetrachloride	8.07	117	172090	26.393	ug/L	100
34) Benzene	8.32	78	504041	25.498	ug/L	100
35) Trichloroethene	9.09	95	131268	25.191	ug/L	99
36) Methylcyclohexane	9.34	83	238646	26.092	ug/L	99
40) 1,2-Dichloropropane	9.37	63	120089	24.751	ug/L	99
41) Bromodichloromethane	9.64	83	150384	24.656	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	187747	24.554	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	157959	42.332	ug/L	99
44) Toluene	10.38	91	546918	25.747	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	150561	23.830	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	88944	22.957	ug/L	97
47) Tetrachloroethene	10.86	164	121020	25.226	ug/L	99
49) 2-Hexanone	10.97	43	115160	42.011	ug/L	98
50) Dibromochloromethane	11.13	129	109194	24.279	ug/L	99
51) 1,2-Dibromoethane	11.23	107	86442	22.570	ug/L	96
52) Chlorobenzene	11.66	112	339235	24.763	ug/L	97
53) Ethylbenzene	11.73	91	602532	25.482	ug/L	99
54) m,p-Xylene	11.84	106	231861	25.445	ug/L	95
55) o-xylene	12.16	106	215952	25.072	ug/L	98
56) Styrene	12.18	104	378614	25.472	ug/L	99
57) Isopropylbenzene	12.46	105	596180	25.669	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	107914	22.117	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	79751	21.770	ug/L	100
62) Bromoform	12.35	173	66762	22.639	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	273936	24.388	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	271945	24.153	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	246218	24.243	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	16355	20.102	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	210406	24.871	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	164367	23.999	ug/L	97
69) Naphthalene	15.36	128	288777	22.224	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	147050	23.299	ug/L	99

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

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