

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032819\
 Data File : VW009549.D
 Acq On : 28 Mar 2019 20:45
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:06:11 AM

Quant Time: Mar 29 07:40:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 29 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	407475	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	395095	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	207170	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	96129	19.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.96%
7) Chloroethane-d5	2.89	69	112572	19.76	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.04%
10) 1,1-Dichloroethene-d2	4.02	63	237639	22.58	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.32%
20) 2-Butanone-d5	7.08	46	91939	45.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.32%
24) Chloroform-d	7.64	84	272962	24.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	8.31	65	162720	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.16%
29) Benzene-d6	8.27	84	486737	22.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.36%
33) 1,2-Dichloropropane-d6	9.27	67	155691	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.16%
37) Toluene-d8	10.32	98	443817	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.12%
38) trans-1,3-Dichloropropene-	10.58	79	70789	21.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.16%
39) 2-Hexanone-d5	10.93	63	75884	47.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	159781	24.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	179717	22.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	133078m	24.792	ug/L
3) Chloromethane	2.21	50	128341	22.535	ug/L
5) Vinyl chloride	2.37	62	169398	28.898	ug/L
6) Bromomethane	2.78	94	127039	25.868	ug/L
8) Chloroethane	2.93	64	122932	25.348	ug/L
9) Trichlorofluoromethane	3.26	101	93540	20.202	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131043	24.506	ug/L #
12) 1,1-Dichloroethene	4.04	96	133518	26.609	ug/L
13) Acetone	4.14	43	71645	43.385	ug/L
14) Carbon disulfide	4.38	76	367707	27.229	ug/L
15) Methyl Acetate	4.67	43	74295	22.901	ug/L
16) Methylene chloride	4.92	84	154337	25.973	ug/L
17) Methyl tert-butyl Ether	5.43	73	183549	25.853	ug/L #
18) trans-1,2-Dichloroethene	5.42	96	134329	25.463	ug/L
19) 1,1-Dichloroethane	6.21	63	267010	27.758	ug/L
21) 2-Butanone	7.17	43	103224	45.270	ug/L
22) cis-1,2-Dichloroethene	7.17	96	152236	26.639	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69213	25.251	ug/L	93
25) Chloroform	7.67	83	283737	28.167	ug/L	99
27) 1,2-Dichloroethane	8.40	62	209897	27.947	ug/L	98
30) Cyclohexane	7.95	56	228130	25.424	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	223391	28.310	ug/L	99
32) Carbon tetrachloride	8.06	117	223053	28.016	ug/L	98
34) Benzene	8.32	78	586305	27.112	ug/L	100
35) Trichloroethene	9.09	95	149928	26.019	ug/L	99
36) Methylcyclohexane	9.33	83	248388	24.915	ug/L	98
40) 1,2-Dichloropropane	9.37	63	147967	26.664	ug/L	99
41) Bromodichloromethane	9.64	83	206222	26.821	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	231981	25.667	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	233254	46.387	ug/L	99
44) Toluene	10.38	91	641683	27.139	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	199169	25.332	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	113476	25.632	ug/L	99
47) Tetrachloroethene	10.86	164	121416	24.937	ug/L	96
49) 2-Hexanone	10.97	43	167818	47.385	ug/L	99
50) Dibromochloromethane	11.13	129	141745	25.936	ug/L	93
51) 1,2-Dibromoethane	11.23	107	109618	24.424	ug/L	95
52) Chlorobenzene	11.66	112	400998	26.442	ug/L	98
53) Ethylbenzene	11.73	91	730398	27.477	ug/L	98
54) m,p-Xylene	11.84	106	273188	27.050	ug/L	95
55) o-xylene	12.16	106	264548	26.851	ug/L	100
56) Styrene	12.18	104	464784	27.649	ug/L	99
57) Isopropylbenzene	12.46	105	727927	27.581	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	155670	26.065	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	111224	25.094	ug/L	99
62) Bromoform	12.35	173	86299	24.654	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	313795	25.415	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	332866	26.076	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	306495	26.029	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26686	23.125	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	243194	25.252	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	197582	24.425	ug/L	100
69) Naphthalene	15.37	128	402078	23.974	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	191107	25.223	ug/L	98

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

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