

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042319\
 Data File : VW010091.D
 Acq On : 23 Apr 2019 09:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 9:22:06 AM

Quant Time: Apr 24 03:51:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 06:06:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	818997	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	750543	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	365975	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	192075	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
7) Chloroethane-d5	2.89	69	151888	19.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.52%
10) 1,1-Dichloroethene-d2	4.01	63	553234	25.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.08%
20) 2-Butanone-d5	7.07	46	156567	37.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.80%
24) Chloroform-d	7.65	84	508438	21.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.88%
26) 1,2-Dichloroethane-d4	8.31	65	285175	19.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.64%
29) Benzene-d6	8.27	84	988288	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	9.27	67	301649	22.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.84%
37) Toluene-d8	10.32	98	902401	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.92%
38) trans-1,3-Dichloropropene-	10.58	79	134608	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.44%
39) 2-Hexanone-d5	10.93	63	122362	42.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	242706	19.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	308516	22.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	305994	26.630	ug/L 94
3) Chloromethane	2.21	50	231959	22.147	ug/L 97
5) Vinyl chloride	2.37	62	275915	28.005	ug/L 100
6) Bromomethane	2.78	94	155373	21.354	ug/L 98
8) Chloroethane	2.93	64	160772	22.731	ug/L 99
9) Trichlorofluoromethane	3.26	101	160602	19.800	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	273825	25.928	ug/L # 83
12) 1,1-Dichloroethene	4.04	96	277639	28.079	ug/L 85
13) Acetone	4.12	43	150755	40.493	ug/L 98
14) Carbon disulfide	4.38	76	808554	28.847	ug/L 98
15) Methyl Acetate	4.67	43	150244m	19.995	ug/L
16) Methylene chloride	4.92	84	282643	19.060	ug/L 94
17) Methyl tert-butyl Ether	5.42	73	353292	24.414	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	287957	25.733	ug/L 98
19) 1,1-Dichloroethane	6.21	63	553516	24.815	ug/L 98
21) 2-Butanone	7.17	43	196043	40.213	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	306170	25.212	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	131857	23.314	ug/L	92
25) Chloroform	7.67	83	546664	23.951	ug/L	100
27) 1,2-Dichloroethane	8.40	62	385560	21.942	ug/L	100
30) Cyclohexane	7.95	56	520048	30.658	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	437042	27.882	ug/L	99
32) Carbon tetrachloride	8.07	117	430003	27.941	ug/L	98
34) Benzene	8.32	78	1183487	26.767	ug/L	100
35) Trichloroethene	9.09	95	306592	26.669	ug/L	99
36) Methylcyclohexane	9.34	83	542265	29.359	ug/L	98
40) 1,2-Dichloropropane	9.37	63	304331	26.026	ug/L	100
41) Bromodichloromethane	9.64	83	390199	24.442	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	477434	26.484	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	426036	44.238	ug/L	98
44) Toluene	10.39	91	1279862	27.286	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	397847	24.994	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	212918	23.348	ug/L	98
47) Tetrachloroethene	10.86	164	242425	26.996	ug/L	98
49) 2-Hexanone	10.97	43	317481	46.404	ug/L	99
50) Dibromochloromethane	11.13	129	255674	23.619	ug/L	97
51) 1,2-Dibromoethane	11.24	107	205525	23.024	ug/L	98
52) Chlorobenzene	11.66	112	782996	25.582	ug/L	99
53) Ethylbenzene	11.73	91	1440887	27.484	ug/L	99
54) m,p-Xylene	11.84	106	533730	27.832	ug/L	95
55) o-xylene	12.17	106	502418	27.316	ug/L	99
56) Styrene	12.18	104	871022	27.052	ug/L	99
57) Isopropylbenzene	12.47	105	1404683	28.673	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	264125	22.017	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	196763	21.916	ug/L	100
62) Bromoform	12.35	173	140631	21.882	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	592416	26.792	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	613410	25.816	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	549139	25.311	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	44858	20.431	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	449755	27.769	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	363159	27.371	ug/L	99
69) Naphthalene	15.38	128	716153	25.149	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	332315	26.250	ug/L	100

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

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