

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062519\
 Data File : VW010971.D
 Acq On : 25 Jun 2019 16:37
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Jun 26 03:00:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 26 02:56:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	339393	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315614	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156016	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	98533	22.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.60%
7) Chloroethane-d5	2.88	69	76265	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
10) 1,1-Dichloroethene-d2	4.02	63	236873	22.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.12%
20) 2-Butanone-d5	7.07	46	102688	49.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.42%
24) Chloroform-d	7.65	84	217988	23.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.28%
26) 1,2-Dichloroethane-d4	8.31	65	139078	24.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.04%
29) Benzene-d6	8.27	84	432180	22.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.24%
33) 1,2-Dichloropropane-d6	9.27	67	147619	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.32%
37) Toluene-d8	10.32	98	395597	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.56%
38) trans-1,3-Dichloropropene-	10.58	79	62291	22.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.92%
39) 2-Hexanone-d5	10.93	63	68462	48.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128028	24.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	138928	23.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	110862	23.238	ug/L	99
3) Chloromethane	2.21	50	113181	22.314	ug/L	99
5) Vinyl chloride	2.36	62	148728	24.524	ug/L	95
6) Bromomethane	2.77	94	71145	23.767	ug/L	99
8) Chloroethane	2.92	64	78195	24.346	ug/L	99
9) Trichlorofluoromethane	3.25	101	41006	20.022	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	115038	24.169	ug/L	98
12) 1,1-Dichloroethene	4.04	96	113604	23.913	ug/L	96
13) Acetone	4.12	43	91340	46.169	ug/L	99
14) Carbon disulfide	4.39	76	320514	22.787	ug/L	99
15) Methyl Acetate	4.67	43	86753	25.332	ug/L	99
16) Methylene chloride	4.92	84	127523	25.370	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	187151	25.161	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	114582	23.986	ug/L	100
19) 1,1-Dichloroethane	6.21	63	236884	24.278	ug/L	99
21) 2-Butanone	7.17	43	128347	49.330	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	126993	24.707	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54307	24.842	ug/L	94
25) Chloroform	7.67	83	221324	24.723	ug/L	100
27) 1,2-Dichloroethane	8.40	62	177390	25.288	ug/L	98
30) Cyclohexane	7.95	56	240368	23.031	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	159093	23.177	ug/L	99
32) Carbon tetrachloride	8.07	117	150674	23.239	ug/L	99
34) Benzene	8.32	78	498535	24.037	ug/L	100
35) Trichloroethene	9.09	95	124165	23.608	ug/L	99
36) Methylcyclohexane	9.34	83	225806	23.390	ug/L	99
40) 1,2-Dichloropropane	9.37	63	140439	24.602	ug/L	99
41) Bromodichloromethane	9.64	83	163195	24.361	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	211217	24.053	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	267276	50.454	ug/L	99
44) Toluene	10.39	91	526700	24.287	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	177830	24.498	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	98258	25.116	ug/L	99
47) Tetrachloroethene	10.86	164	94197	23.615	ug/L	94
49) 2-Hexanone	10.97	43	190958	50.668	ug/L	100
50) Dibromochloromethane	11.13	129	106070	24.623	ug/L	99
51) 1,2-Dibromoethane	11.24	107	94800	25.057	ug/L	99
52) Chlorobenzene	11.66	112	318247	24.386	ug/L	99
53) Ethylbenzene	11.73	91	591804	24.222	ug/L	99
54) m,p-Xylene	11.84	106	214740	24.220	ug/L	99
55) o-xylene	12.16	106	208772	24.539	ug/L	98
56) Styrene	12.18	104	362703	24.722	ug/L	98
57) Isopropylbenzene	12.46	105	561348	24.320	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	130534	25.518	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100363	25.269	ug/L	99
62) Bromoform	12.35	173	60100	24.067	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	244282	24.050	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	249282	24.432	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	232990	24.801	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	21752	22.629	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	191475	24.767	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	163293	24.922	ug/L	99
69) Naphthalene	15.37	128	354755	25.372	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	148865	25.012	ug/L	100

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

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