

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\
 Data File : VW009804.D
 Acq On : 07 Apr 2019 14:04
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:43:33 AM

Quant Time: Apr 08 01:12:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 05:36:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	457499	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	453385	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232409	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88753	14.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.28%
7) Chloroethane-d5	2.89	69	90812	16.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.24%
10) 1,1-Dichloroethene-d2	4.01	63	241465	18.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.00%
20) 2-Butanone-d5	7.08	46	101046	51.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.96%
24) Chloroform-d	7.64	84	263006	21.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.28%
26) 1,2-Dichloroethane-d4	8.30	65	164277	21.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.72%
29) Benzene-d6	8.27	84	459019	19.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.16%
33) 1,2-Dichloropropane-d6	9.27	67	147175	20.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.08%
37) Toluene-d8	10.32	98	415548	18.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.52%
38) trans-1,3-Dichloropropene-	10.58	79	71898	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.04%
39) 2-Hexanone-d5	10.93	63	72851	52.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	159500	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	161763	19.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	136041m	22.574	ug/L	
3) Chloromethane	2.21	50	134647	21.619	ug/L	99
5) Vinyl chloride	2.37	62	164673	20.613	ug/L	98
6) Bromomethane	2.78	94	120877	21.867	ug/L	99
8) Chloroethane	2.92	64	114481	21.834	ug/L	96
9) Trichlorofluoromethane	3.25	101	97666	19.929	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	136141	21.357	ug/L	93
12) 1,1-Dichloroethene	4.03	96	137436	22.618	ug/L	91
13) Acetone	4.12	43	124960	60.000	ug/L	99
14) Carbon disulfide	4.37	76	417723	22.116	ug/L	99
15) Methyl Acetate	4.67	43	106481	28.040	ug/L	98
16) Methylene chloride	4.91	84	163627	20.280	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	230986	27.594	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	152397	24.115	ug/L	97
19) 1,1-Dichloroethane	6.21	63	304389	25.099	ug/L	97
21) 2-Butanone	7.17	43	156362	59.032	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	171423	25.363	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	81664	26.336	ug/L	94
25) Chloroform	7.67	83	321727	25.326	ug/L	99
27) 1,2-Dichloroethane	8.40	62	259361	26.994	ug/L	99
30) Cyclohexane	7.95	56	231412	21.625	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	237954	23.136	ug/L	99
32) Carbon tetrachloride	8.06	117	226423	21.958	ug/L	99
34) Benzene	8.32	78	651884	23.898	ug/L	100
35) Trichloroethene	9.09	95	165330	23.160	ug/L	99
36) Methylcyclohexane	9.34	83	249672	21.273	ug/L	99
40) 1,2-Dichloropropane	9.37	63	176088	25.218	ug/L	99
41) Bromodichloromethane	9.64	83	242152	25.133	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	275450	25.463	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	304755	56.186	ug/L	100
44) Toluene	10.38	91	707570	24.486	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	247880	26.578	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	139703	26.654	ug/L	98
47) Tetrachloroethene	10.86	164	126411	22.483	ug/L	98
49) 2-Hexanone	10.97	43	237528	58.813	ug/L	100
50) Dibromochloromethane	11.13	129	163967	25.464	ug/L	98
51) 1,2-Dibromoethane	11.23	107	136386	25.963	ug/L	98
52) Chlorobenzene	11.66	112	451969	24.299	ug/L	98
53) Ethylbenzene	11.73	91	799732	24.295	ug/L	100
54) m,p-Xylene	11.84	106	295348	24.259	ug/L	98
55) o-xylene	12.16	106	287101	24.760	ug/L	100
56) Styrene	12.18	104	515055	25.600	ug/L	100
57) Isopropylbenzene	12.46	105	761259	23.976	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	189516	26.890	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	143118	27.279	ug/L	98
62) Bromoform	12.35	173	101178	24.760	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	342714	23.838	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	363945	23.739	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	338218	24.590	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34559	25.813	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	258107	24.196	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	211508	24.690	ug/L	99
69) Naphthalene	15.37	128	471058	27.358	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	211275	26.364	ug/L	99

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

