

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081519\
 Data File : VW011925.D
 Acq On : 15 Aug 2019 13:19
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 9:13:09 AM

Quant Time: Aug 16 07:21:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 06:53:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	331530	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	291976	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	143671	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	127600	27.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.32%
7) Chloroethane-d5	2.89	69	90539	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.72%
10) 1,1-Dichloroethene-d2	4.02	63	287903	26.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.60%
20) 2-Butanone-d5	7.09	46	96556	45.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.86%
24) Chloroform-d	7.65	84	243154	26.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.84%
26) 1,2-Dichloroethane-d4	8.31	65	142941	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.12%
29) Benzene-d6	8.27	84	490126	26.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.76%
33) 1,2-Dichloropropane-d6	9.27	67	157727	26.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.44%
37) Toluene-d8	10.32	98	436976	26.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.28%
38) trans-1,3-Dichloropropene-	10.58	79	67591	26.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.08%
39) 2-Hexanone-d5	10.93	63	67301	48.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122551	24.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	140401	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	97343	26.199	ug/L	95
3) Chloromethane	2.21	50	111150	22.998	ug/L	99
5) Vinyl chloride	2.36	62	152210	24.684	ug/L	99
6) Bromomethane	2.78	94	73882	25.415	ug/L	100
8) Chloroethane	2.92	64	80865	25.075	ug/L	99
9) Trichlorofluoromethane	3.26	101	82676	26.321	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	126522	26.568	ug/L	97
12) 1,1-Dichloroethene	4.04	96	120076	25.217	ug/L	85
13) Acetone	4.15	43	91403	40.600	ug/L	97
14) Carbon disulfide	4.38	76	366620	23.640	ug/L	99
15) Methyl Acetate	4.68	43	85865m	23.327	ug/L	
16) Methylene chloride	4.92	84	133429	25.790	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	208733	26.324	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	126611	25.736	ug/L	98
19) 1,1-Dichloroethane	6.21	63	259675	26.423	ug/L	100
21) 2-Butanone	7.18	43	122106	43.260	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	135760	26.377	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56824	25.949	ug/L	99
25) Chloroform	7.68	83	243560	26.888	ug/L	99
27) 1,2-Dichloroethane	8.40	62	177505	26.471	ug/L	100
30) Cyclohexane	7.95	56	260492	25.666	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	192409	27.045	ug/L	98
32) Carbon tetrachloride	8.07	117	179185	26.772	ug/L	100
34) Benzene	8.32	78	536947	26.243	ug/L	100
35) Trichloroethene	9.09	95	135054	26.000	ug/L	100
36) Methylcyclohexane	9.34	83	242068	25.688	ug/L	99
40) 1,2-Dichloropropane	9.37	63	146279	26.783	ug/L	100
41) Bromodichloromethane	9.65	83	174351	27.052	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	220267	26.963	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	243743	49.256	ug/L	100
44) Toluene	10.39	91	554397	26.670	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	180818	26.603	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97679	26.232	ug/L	99
47) Tetrachloroethene	10.86	164	101708	25.635	ug/L	95
49) 2-Hexanone	10.97	43	179750	47.148	ug/L	99
50) Dibromochloromethane	11.13	129	111675	27.209	ug/L	98
51) 1,2-Dibromoethane	11.24	107	92374	25.494	ug/L	98
52) Chlorobenzene	11.66	112	329840	26.300	ug/L	99
53) Ethylbenzene	11.73	91	624891	26.956	ug/L	99
54) m,p-Xylene	11.84	106	225411	26.740	ug/L	95
55) o-xylene	12.16	106	214351	27.019	ug/L	99
56) Styrene	12.18	104	370729	27.487	ug/L	98
57) Isopropylbenzene	12.46	105	594830	27.254	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	126067	25.477	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	95796	25.100	ug/L	99
62) Bromoform	12.35	173	63831	24.833	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	252155	25.859	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	250170	25.547	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	230001	26.048	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21661	23.702	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	189754	26.439	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	157554	27.258	ug/L	98
69) Naphthalene	15.36	128	308146	26.473	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	145569	27.192	ug/L	99

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

