

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062419\
 Data File : VW010955.D
 Acq On : 25 Jun 2019 02:41
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: Jun 25 03:31:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 02:43:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	361154	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	331247	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	159709	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112669	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.28%
7) Chloroethane-d5	2.88	69	85981	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.32%
10) 1,1-Dichloroethene-d2	4.02	63	255610	23.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.40%
20) 2-Butanone-d5	7.08	46	112313	51.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.18%
24) Chloroform-d	7.65	84	236311	24.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.04%
26) 1,2-Dichloroethane-d4	8.30	65	147092	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.44%
29) Benzene-d6	8.27	84	474218	23.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.40%
33) 1,2-Dichloropropane-d6	9.27	67	156560	23.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.28%
37) Toluene-d8	10.32	98	427386	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	10.58	79	63879	21.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.88%
39) 2-Hexanone-d5	10.93	63	72951	49.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134085	24.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	146289	24.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	116023	22.855	ug/L	98
3) Chloromethane	2.21	50	123214	22.828	ug/L	99
5) Vinyl chloride	2.36	62	156876	24.309	ug/L	99
6) Bromomethane	2.77	94	74335	23.336	ug/L	99
8) Chloroethane	2.92	64	81734	23.914	ug/L	98
9) Trichlorofluoromethane	3.24	101	37010	16.982	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	116367	22.975	ug/L	99
12) 1,1-Dichloroethene	4.04	96	117437	23.230	ug/L	96
13) Acetone	4.12	43	86127	40.911	ug/L	99
14) Carbon disulfide	4.38	76	336960	22.513	ug/L	100
15) Methyl Acetate	4.67	43	91993	25.244	ug/L	99
16) Methylene chloride	4.92	84	128643	24.051	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	189669	23.963	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	118596	23.330	ug/L	99
19) 1,1-Dichloroethane	6.21	63	244752	23.573	ug/L	99
21) 2-Butanone	7.17	43	129337	46.715	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	131798	24.097	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54985	23.637	ug/L	97
25) Chloroform	7.67	83	228170	23.952	ug/L	100
27) 1,2-Dichloroethane	8.40	62	180372	24.164	ug/L	99
30) Cyclohexane	7.95	56	245138	22.380	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	163408	22.682	ug/L	99
32) Carbon tetrachloride	8.07	117	152200	22.367	ug/L	99
34) Benzene	8.32	78	518201	23.806	ug/L	100
35) Trichloroethene	9.09	95	128664	23.308	ug/L	100
36) Methylcyclohexane	9.34	83	224662	22.173	ug/L	99
40) 1,2-Dichloropropane	9.37	63	142568	23.796	ug/L	100
41) Bromodichloromethane	9.64	83	165824	23.585	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	208116	22.581	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	273956	49.274	ug/L	100
44) Toluene	10.39	91	536557	23.573	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	172019	22.579	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	98723	24.044	ug/L	98
47) Tetrachloroethene	10.86	164	92482	22.091	ug/L	99
49) 2-Hexanone	10.97	43	189465	47.900	ug/L	99
50) Dibromochloromethane	11.13	129	107057	23.680	ug/L	99
51) 1,2-Dibromoethane	11.23	107	95845	24.138	ug/L	97
52) Chlorobenzene	11.66	112	321099	23.444	ug/L	99
53) Ethylbenzene	11.73	91	598197	23.328	ug/L	99
54) m,p-Xylene	11.84	106	217103	23.331	ug/L	99
55) o-xylene	12.16	106	210180	23.539	ug/L	99
56) Styrene	12.18	104	365740	23.753	ug/L	99
57) Isopropylbenzene	12.46	105	564903	23.319	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	128818	23.994	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	102757	24.651	ug/L	100
62) Bromoform	12.35	173	60304	23.590	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	243069	23.377	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	244482	23.407	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	228228	23.732	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22772	23.142	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	178251	22.523	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	151193	22.541	ug/L	99
69) Naphthalene	15.37	128	344945	24.100	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	141188	23.174	ug/L	99

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

