

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042219\
 Data File : VW010089.D
 Acq On : 22 Apr 2019 19:25
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Apr 23 06:10:05 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	851842	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	796262	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	386458	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	189138	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.00%
7) Chloroethane-d5	2.89	69	152935	18.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.04%
10) 1,1-Dichloroethene-d2	4.01	63	536635	24.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.16%
20) 2-Butanone-d5	7.07	46	191786	44.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.08%
24) Chloroform-d	7.65	84	519171	21.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.32%
26) 1,2-Dichloroethane-d4	8.31	65	301642	19.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.96%
29) Benzene-d6	8.27	84	1006409	23.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.00%
33) 1,2-Dichloropropane-d6	9.27	67	317676	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.16%
37) Toluene-d8	10.32	98	931344	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.32%
38) trans-1,3-Dichloropropene-	10.58	79	148167	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.68%
39) 2-Hexanone-d5	10.93	63	155488	50.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	275014	21.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	334044	22.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	301211	25.203	ug/L 100
3) Chloromethane	2.21	50	238944	21.935	ug/L 100
5) Vinyl chloride	2.37	62	278490	27.177	ug/L 98
6) Bromomethane	2.78	94	161418	21.330	ug/L 98
8) Chloroethane	2.92	64	161361	21.934	ug/L 99
9) Trichlorofluoromethane	3.25	101	156276	18.524	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	280409	25.528	ug/L 98
12) 1,1-Dichloroethene	4.04	96	280504	27.275	ug/L 87
13) Acetone	4.12	43	150151	38.776	ug/L 98
14) Carbon disulfide	4.38	76	785302	26.937	ug/L 97
15) Methyl Acetate	4.67	43	179355	22.948	ug/L 98
16) Methylene chloride	4.92	84	298411	19.347	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	406364	26.999	ug/L # 89
18) trans-1,2-Dichloroethene	5.42	96	295862	25.420	ug/L 98
19) 1,1-Dichloroethane	6.21	63	577629	24.898	ug/L 99
21) 2-Butanone	7.17	43	243414	48.005	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	330717	26.183	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	142158	24.167	ug/L	93
25) Chloroform	7.67	83	569268	23.980	ug/L	100
27) 1,2-Dichloroethane	8.40	62	414334	22.670	ug/L	100
30) Cyclohexane	7.95	56	544915	30.280	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	446717	26.863	ug/L	98
32) Carbon tetrachloride	8.06	117	432331	26.479	ug/L	100
34) Benzene	8.32	78	1234375	26.315	ug/L	100
35) Trichloroethene	9.09	95	324121	26.575	ug/L	99
36) Methylcyclohexane	9.34	83	567211	28.946	ug/L	97
40) 1,2-Dichloropropane	9.37	63	319186	25.729	ug/L	100
41) Bromodichloromethane	9.64	83	422981	24.975	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	517933	27.081	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	530756	51.948	ug/L	98
44) Toluene	10.39	91	1334415	26.815	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	441026	26.116	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	235442	24.335	ug/L	99
47) Tetrachloroethene	10.86	164	250648	26.309	ug/L	97
49) 2-Hexanone	10.97	43	374083	51.538	ug/L	98
50) Dibromochloromethane	11.13	129	284832	24.802	ug/L	98
51) 1,2-Dibromoethane	11.24	107	235282	24.844	ug/L	98
52) Chlorobenzene	11.66	112	830265	25.569	ug/L	98
53) Ethylbenzene	11.73	91	1527177	27.457	ug/L	98
54) m,p-Xylene	11.84	106	568128	27.925	ug/L	99
55) o-xylene	12.16	106	546484	28.006	ug/L	100
56) Styrene	12.18	104	934289	27.351	ug/L	100
57) Isopropylbenzene	12.46	105	1495910	28.782	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	305687	24.018	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	230268	24.176	ug/L	98
62) Bromoform	12.35	173	163795	24.135	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	659157	28.230	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	651462	25.964	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	602185	26.285	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	58524	25.243	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	492873	28.818	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	422029	30.122	ug/L	100
69) Naphthalene	15.37	128	918351	30.540	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	373903	27.970	ug/L	99

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

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