

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\
 Data File : VW011273.D
 Acq On : 15 Jul 2019 20:39
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02537

Quant Time: Jul 16 05:07:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 05:02:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	310103	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290335	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	142526	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	93912	19.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.32%
7) Chloroethane-d5	2.89	69	71729	21.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.36%
10) 1,1-Dichloroethene-d2	4.02	63	217476	21.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.76%
20) 2-Butanone-d5	7.07	46	114507	61.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.78%
24) Chloroform-d	7.65	84	207246	24.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	8.31	65	132645	25.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.36%
29) Benzene-d6	8.27	84	408500	22.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.36%
33) 1,2-Dichloropropane-d6	9.27	67	140505	24.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.48%
37) Toluene-d8	10.32	98	364209	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.40%
38) trans-1,3-Dichloropropene-	10.58	79	60221	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.28%
39) 2-Hexanone-d5	10.92	63	80471	60.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133056	27.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	131903	24.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	89981	23.592	ug/L	97
3) Chloromethane	2.21	50	84890	20.501	ug/L	100
5) Vinyl chloride	2.36	62	120966	22.382	ug/L	96
6) Bromomethane	2.78	94	58567	23.163	ug/L	100
8) Chloroethane	2.92	64	65028	23.805	ug/L	99
9) Trichlorofluoromethane	3.25	101	41791	22.584	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	102564	24.875	ug/L	98
12) 1,1-Dichloroethene	4.04	96	97821	24.004	ug/L	87
13) Acetone	4.12	43	87928	48.262	ug/L	99
14) Carbon disulfide	4.38	76	269906	23.153	ug/L	99
15) Methyl Acetate	4.67	43	93079	31.397	ug/L	100
16) Methylene chloride	4.92	84	116639	25.596	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	186544	29.517	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	99320	24.118	ug/L	99
19) 1,1-Dichloroethane	6.21	63	216870	25.941	ug/L	98
21) 2-Butanone	7.17	43	133422	56.729	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	115582	25.930	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	51597	27.587	ug/L	96
25) Chloroform	7.67	83	206203	26.040	ug/L	100
27) 1,2-Dichloroethane	8.40	62	165657	27.367	ug/L	99
30) Cyclohexane	7.95	56	204087	23.120	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	147784	24.525	ug/L	99
32) Carbon tetrachloride	8.07	117	135972	24.060	ug/L	99
34) Benzene	8.32	78	453023	24.966	ug/L	100
35) Trichloroethene	9.09	95	111026	24.247	ug/L	99
36) Methylcyclohexane	9.34	83	192209	23.325	ug/L	100
40) 1,2-Dichloropropane	9.37	63	130253	26.196	ug/L	100
41) Bromodichloromethane	9.65	83	153115	26.710	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	194151	26.464	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	273376	59.310	ug/L	99
44) Toluene	10.38	91	472799	25.173	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	163659	26.960	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	94662	27.492	ug/L	98
47) Tetrachloroethene	10.86	164	82581	23.863	ug/L	98
49) 2-Hexanone	10.97	43	200421	59.737	ug/L	98
50) Dibromochloromethane	11.13	129	102743	28.021	ug/L	100
51) 1,2-Dibromoethane	11.23	107	92517	27.826	ug/L #	99
52) Chlorobenzene	11.66	112	294323	25.650	ug/L	99
53) Ethylbenzene	11.73	91	530645	24.908	ug/L	99
54) m,p-Xylene	11.84	106	194176	25.104	ug/L	95
55) o-xylene	12.16	106	188691	25.644	ug/L	96
56) Styrene	12.18	104	333537	26.424	ug/L	99
57) Isopropylbenzene	12.46	105	511624	25.472	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	132890	29.011	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	103789	29.504	ug/L	100
62) Bromoform	12.35	173	61856	29.120	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	225461	25.712	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	228463	25.451	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	217001	26.586	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24668	30.783	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	172160	25.913	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	147921	26.576	ug/L	99
69) Naphthalene	15.37	128	355785	30.522	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	141251	27.737	ug/L	100

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

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