

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121018\
 Data File : VW007351.D
 Acq On : 10 Dec 2018 11:45
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

Quant Time: Dec 11 01:17:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 10 05:52:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	123999	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	100459	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	52342	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	25714	31.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.36%
7) Chloroethane-d5	2.90	69	19462	28.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.80%
10) 1,1-Dichloroethene-d2	4.01	63	79697	28.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	114.44%#
20) 2-Butanone-d5	7.07	46	24980	49.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.14%
24) Chloroform-d	7.65	84	80078	27.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.52%
26) 1,2-Dichloroethane-d4	8.31	65	45747	27.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.92%
29) Benzene-d6	8.27	84	155736	28.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.16%
33) 1,2-Dichloropropane-d6	9.27	67	44033	28.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.12%
37) Toluene-d8	10.32	98	145932	28.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.12%
38) trans-1,3-Dichloropropene-	10.58	79	22678	28.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.96%
39) 2-Hexanone-d5	10.93	63	18485	49.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	38856	27.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	50303	27.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	35692	26.357 ug/L	97
3) Chloromethane	2.22	50	24736	22.818 ug/L	98
5) Vinyl chloride	2.37	62	30449	29.772 ug/L	97
6) Bromomethane	2.78	94	18146	25.651 ug/L	99
8) Chloroethane	2.93	64	16013	26.010 ug/L	98
9) Trichlorofluoromethane	3.26	101	29157	24.835 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	39210	25.054 ug/L	98
12) 1,1-Dichloroethene	4.03	96	38394	26.365 ug/L	98
13) Acetone	4.12	43	26460	44.697 ug/L	98
14) Carbon disulfide	4.37	76	117130	27.547 ug/L	100
15) Methyl Acetate	4.67	43	19983	22.511 ug/L #	89
16) Methylene chloride	4.92	84	39804	19.867 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	59085	24.952 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	40583	25.977 ug/L	94
19) 1,1-Dichloroethane	6.21	63	67095	25.195 ug/L	99
21) 2-Butanone	7.17	43	28913	45.441 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	43308	25.191 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	20116	25.667	ug/L	95
25) Chloroform	7.67	83	74456	25.840	ug/L	98
27) 1,2-Dichloroethane	8.40	62	52891	25.679	ug/L	98
30) Cyclohexane	7.95	56	63846	26.492	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	68458	28.953	ug/L	99
32) Carbon tetrachloride	8.07	117	66875	29.269	ug/L	99
34) Benzene	8.32	78	154756	26.876	ug/L	100
35) Trichloroethene	9.09	95	45388	27.488	ug/L	99
36) Methylcyclohexane	9.34	83	75638	26.536	ug/L	97
40) 1,2-Dichloropropane	9.37	63	37725	26.783	ug/L	99
41) Bromodichloromethane	9.64	83	54737	27.064	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	62591	26.460	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	55121	49.442	ug/L	96
44) Toluene	10.38	91	173009	27.875	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	56113	27.012	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	30496	26.294	ug/L	92
47) Tetrachloroethene	10.86	164	34371	27.557	ug/L	94
49) 2-Hexanone	10.97	43	40032	51.090	ug/L	92
50) Dibromochloromethane	11.13	129	37901	26.601	ug/L	96
51) 1,2-Dibromoethane	11.24	107	31230	26.811	ug/L	98
52) Chlorobenzene	11.66	112	108704	26.987	ug/L	96
53) Ethylbenzene	11.73	91	195435	28.004	ug/L	99
54) m,p-Xylene	11.84	106	72340	27.287	ug/L	96
55) o-xylene	12.17	106	64747	25.843	ug/L	80
56) Styrene	12.18	104	111918	26.060	ug/L	97
57) Isopropylbenzene	12.47	105	185779	26.569	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	37693	26.216	ug/L	91
59) 1,2,3-Trichloropropane	12.77	75	28847	25.347	ug/L	98
62) Bromoform	12.35	173	23300	25.994	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	86636	25.764	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	83179	24.813	ug/L	85
65) 1,2-Dichlorobenzene	13.88	146	75775	25.179	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	7801	24.474	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	63352	26.008	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	55421	26.391	ug/L	97
69) Naphthalene	15.37	128	127306	24.525	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	49735	26.050	ug/L	99

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

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