

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
 Data File : VW007972.D
 Acq On : 27 Dec 2018 16:16
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

Quant Time: Dec 28 04:06:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 28 04:01:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	109672	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	98262	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	49735	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23685	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
7) Chloroethane-d5	2.90	69	16596	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.16%
10) 1,1-Dichloroethene-d2	4.01	63	62668	21.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.68%
20) 2-Butanone-d5	7.08	46	16887	36.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.28%
24) Chloroform-d	7.65	84	63510	21.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.08%
26) 1,2-Dichloroethane-d4	8.31	65	36833	21.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.24%
29) Benzene-d6	8.27	84	117632	21.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.40%
33) 1,2-Dichloropropane-d6	9.27	67	32242	21.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.04%
37) Toluene-d8	10.32	98	113454	21.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.52%
38) trans-1,3-Dichloropropene-	10.58	79	18171	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.44%
39) 2-Hexanone-d5	10.93	63	14389	37.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	28947	20.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	42054	20.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	28466	23.551	ug/L 100
3) Chloromethane	2.21	50	21242	22.300	ug/L 98
5) Vinyl chloride	2.37	62	28593	24.130	ug/L 97
6) Bromomethane	2.79	94	17059	24.266	ug/L 100
8) Chloroethane	2.93	64	14342	24.360	ug/L 95
9) Trichlorofluoromethane	3.26	101	26912	26.301	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	33173	23.961	ug/L 98
12) 1,1-Dichloroethene	4.04	96	30713	24.226	ug/L 92
13) Acetone	4.12	43	18286	40.604	ug/L 98
14) Carbon disulfide	4.37	76	96529	24.039	ug/L 99
15) Methyl Acetate	4.67	43	13561	19.788	ug/L 98
16) Methylene chloride	4.91	84	34133	19.234	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	51788	22.983	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	32590	23.698	ug/L 97
19) 1,1-Dichloroethane	6.21	63	54400	23.778	ug/L 98
21) 2-Butanone	7.17	43	19095	37.263	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	34786	23.606	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	15638	23.570	ug/L	92
25) Chloroform	7.68	83	61875	24.014	ug/L	100
27) 1,2-Dichloroethane	8.40	62	44907	23.763	ug/L	96
30) Cyclohexane	7.96	56	50973	23.579	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	58123	24.672	ug/L	99
32) Carbon tetrachloride	8.07	117	55465	24.523	ug/L	99
34) Benzene	8.32	78	126613	24.080	ug/L	100
35) Trichloroethene	9.09	95	36378	23.813	ug/L	98
36) Methylcyclohexane	9.34	83	62271	23.770	ug/L	99
40) 1,2-Dichloropropane	9.37	63	29244	23.660	ug/L	100
41) Bromodichloromethane	9.65	83	44622	24.547	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	51785	24.002	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	37989	38.833	ug/L	97
44) Toluene	10.39	91	143291	24.357	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	46069	23.173	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	24119	23.065	ug/L	97
47) Tetrachloroethene	10.87	164	29372	24.199	ug/L	98
49) 2-Hexanone	10.97	43	28059	39.756	ug/L	98
50) Dibromochloromethane	11.13	129	31516	23.657	ug/L	97
51) 1,2-Dibromoethane	11.24	107	24035	22.520	ug/L	95
52) Chlorobenzene	11.66	112	91744	23.957	ug/L	99
53) Ethylbenzene	11.73	91	165435	24.476	ug/L	98
54) m,p-Xylene	11.84	106	62889	24.696	ug/L	96
55) o-xylene	12.17	106	58153	24.079	ug/L	98
56) Styrene	12.18	104	101787	24.866	ug/L	100
57) Isopropylbenzene	12.47	105	167489	24.482	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	27648	21.324	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	22666	21.734	ug/L	100
62) Bromoform	12.35	173	17071	21.773	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	74019	23.279	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	74266	23.488	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	66886	23.173	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	5724	20.114	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	54644	23.464	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	45540	22.781	ug/L	99
69) Naphthalene	15.37	128	96235	21.267	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	41018	23.178	ug/L	99

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

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