

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072718\
 Data File : VW004230.D
 Acq On : 26 Jul 2018 15:44
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02591

Quant Time: Jul 27 01:50:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 26 14:18:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	419492	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	378704	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	193404	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	94459	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
7) Chloroethane-d5	2.89	69	69050	22.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.92%
10) 1,1-Dichloroethene-d2	4.01	63	242552	24.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.24%
20) 2-Butanone-d5	7.08	46	103894	43.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.92%
24) Chloroform-d	7.65	84	252864	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	8.31	65	149503	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
29) Benzene-d6	8.28	84	501478	24.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.96%
33) 1,2-Dichloropropane-d6	9.27	67	160494	24.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.16%
37) Toluene-d8	10.32	98	483746	25.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.00%
38) trans-1,3-Dichloropropene-	10.58	79	74755	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.68%
39) 2-Hexanone-d5	10.93	63	81318	46.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.70%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	155983	22.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	170391	23.57	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	51327	18.39	ug/L	96
3) Chloromethane	2.21	50	93345	23.70	ug/L	98
5) Vinyl chloride	2.36	62	132873	25.28	ug/L	94
6) Bromomethane	2.78	94	73244	24.87	ug/L	99
8) Chloroethane	2.92	64	72555	25.69	ug/L	99
9) Trichlorofluoromethane	3.25	101	62662	24.63	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	133310	26.60	ug/L	97
12) 1,1-Dichloroethene	4.03	96	126208	26.02	ug/L	88
13) Acetone	4.12	43	129925	53.82	ug/L	100
14) Carbon disulfide	4.37	76	431003	27.59	ug/L	98
15) Methyl Acetate	4.67	43	98046	24.42	ug/L	99
16) Methylene chloride	4.91	84	145891	24.81	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	262692	27.28	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	142902	27.97	ug/L	99
19) 1,1-Dichloroethane	6.21	63	268905	27.02	ug/L	99
21) 2-Butanone	7.17	43	149606	49.17	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	156400	27.53	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	70542	26.23	ug/L	98
25) Chloroform	7.67	83	269493	26.41	ug/L	100
27) 1,2-Dichloroethane	8.40	62	193338	25.76	ug/L	98
30) Cyclohexane	7.95	56	253567	30.26	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	212409	27.79	ug/L	99
32) Carbon tetrachloride	8.07	117	203930	27.43	ug/L	100
34) Benzene	8.32	78	608676	27.96	ug/L	100
35) Trichloroethene	9.09	95	154525	26.98	ug/L	100
36) Methylcyclohexane	9.34	83	274917	28.72	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162430	27.48	ug/L	100
41) Bromodichloromethane	9.65	83	196064	26.86	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	239758	27.88	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	275206	52.26	ug/L	100
44) Toluene	10.39	91	647188	28.13	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	216666	27.48	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	120206	26.19	ug/L	98
47) Tetrachloroethene	10.87	164	125360	27.36	ug/L	95
49) 2-Hexanone	10.98	43	207706	50.34	ug/L	94
50) Dibromochloromethane	11.13	129	138247	26.41	ug/L	96
51) 1,2-Dibromoethane	11.24	107	117705	26.30	ug/L	94
52) Chlorobenzene	11.66	112	398034	27.14	ug/L	95
53) Ethylbenzene	11.74	91	710992	28.63	ug/L	97
54) m,p-Xylene	11.84	106	266187	28.50	ug/L	98
55) o-xylene	12.17	106	245012	28.03	ug/L	95
56) Styrene	12.18	104	441274	29.13	ug/L	99
57) Isopropylbenzene	12.47	105	689986	29.06	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	166679	25.48	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	127942	25.44	ug/L	98
62) Bromoform	12.35	173	89729	25.84	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	306337	26.92	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	319729	26.61	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	298671	26.94	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	29035	23.32	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	237246	26.95	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	194025	27.03	ug/L	99
69) Naphthalene	15.38	128	450802	27.33	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	189335	27.26	ug/L	99

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

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