

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080118\
 Data File : VW004382.D
 Acq On : 01 Aug 2018 21:07
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Quant Time: Aug 02 03:58:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 03:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	222615	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	212235	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	118434	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	47796	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.24%
7) Chloroethane-d5	2.89	69	43689	25.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.00%
10) 1,1-Dichloroethene-d2	4.01	63	129050	25.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.08%
20) 2-Butanone-d5	7.09	46	41589	38.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.34%
24) Chloroform-d	7.65	84	130602	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	8.31	65	74262	24.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.40%
29) Benzene-d6	8.27	84	243803	22.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.96%
33) 1,2-Dichloropropane-d6	9.28	67	70023	20.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.48%
37) Toluene-d8	10.33	98	234836	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.68%
38) trans-1,3-Dichloropropene-	10.59	79	37189	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.64%
39) 2-Hexanone-d5	10.93	63	37838	43.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.80%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	77338	21.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	107204	23.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	46628	22.94	ug/L	92
3) Chloromethane	2.22	50	48856	25.33	ug/L	96
5) Vinyl chloride	2.37	62	71757	30.13	ug/L	97
6) Bromomethane	2.78	94	49739	29.16	ug/L	98
8) Chloroethane	2.92	64	43758	26.13	ug/L	99
9) Trichlorofluoromethane	3.25	101	41737	20.91	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	78734	26.75	ug/L	99
12) 1,1-Dichloroethene	4.03	96	77866	28.17	ug/L	93
13) Acetone	4.13	43	42336	44.99	ug/L	97
14) Carbon disulfide	4.37	76	209672	25.65	ug/L	100
15) Methyl Acetate	4.68	43	33444	17.83	ug/L	98
16) Methylene chloride	4.91	84	71733	20.39	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	101098	23.29	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	68610	22.87	ug/L	97
19) 1,1-Dichloroethane	6.21	63	116711	22.38	ug/L	97
21) 2-Butanone	7.18	43	46424	36.20	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	78422	23.72	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	38595	24.85	ug/L	96
25) Chloroform	7.68	83	131465	23.96	ug/L	99
27) 1,2-Dichloroethane	8.40	62	90015	24.29	ug/L	97
30) Cyclohexane	7.95	56	100029	19.96	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	107505	23.12	ug/L	99
32) Carbon tetrachloride	8.07	117	108105	23.87	ug/L	98
34) Benzene	8.32	78	275342	22.38	ug/L	100
35) Trichloroethene	9.09	95	75888	23.04	ug/L	98
36) Methylcyclohexane	9.34	83	124889	21.26	ug/L	98
40) 1,2-Dichloropropane	9.37	63	65487	21.22	ug/L	98
41) Bromodichloromethane	9.65	83	96982	24.29	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	109829	22.69	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	92867	37.17	ug/L	96
44) Toluene	10.39	91	300526	22.71	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	103378	23.79	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	59537	23.39	ug/L	95
47) Tetrachloroethene	10.87	164	67712	23.94	ug/L	98
49) 2-Hexanone	10.98	43	69909	37.65	ug/L	96
50) Dibromochloromethane	11.13	129	79502	25.64	ug/L	97
51) 1,2-Dibromoethane	11.24	107	60269	23.89	ug/L	100
52) Chlorobenzene	11.66	112	209911	23.84	ug/L	97
53) Ethylbenzene	11.74	91	350539	23.42	ug/L	96
54) m,p-Xylene	11.85	106	137099	24.22	ug/L	99
55) o-xylene	12.17	106	132130	24.71	ug/L	93
56) Styrene	12.19	104	236608	25.56	ug/L	96
57) Isopropylbenzene	12.47	105	367415	24.51	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	76560	21.91	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	58112	21.60	ug/L	98
62) Bromoform	12.35	173	54062	24.47	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	182758	23.92	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	187599	23.87	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	176534	24.44	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15261	21.45	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	149826	24.74	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	125069	24.32	ug/L	99
69) Naphthalene	15.38	128	267683	23.03	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	118827	24.97	ug/L	99

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

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