

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070618\
 Data File : VW003745.D
 Acq On : 06 Jul 2018 19:45
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Manual Integrations
 APPROVED

sam
 7/9/2018 5:01:18 PM

Quant Time: Jul 07 01:18:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 15:27:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	363833	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	344109	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	176380	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102051	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.00%
7) Chloroethane-d5	2.89	69	66546	17.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.76%
10) 1,1-Dichloroethene-d2	4.01	63	212816	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.32%
20) 2-Butanone-d5	7.08	46	77471	49.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.44%
24) Chloroform-d	7.65	84	211941	21.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.68%
26) 1,2-Dichloroethane-d4	8.31	65	127258	21.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.56%
29) Benzene-d6	8.28	84	400519	22.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.20%
33) 1,2-Dichloropropane-d6	9.28	67	127137	21.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.00%
37) Toluene-d8	10.33	98	382805	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.76%
38) trans-1,3-Dichloropropene-	10.58	79	59800	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.32%
39) 2-Hexanone-d5	10.93	63	58933	50.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.82%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	127525	22.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	141745	21.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	49543m	15.48	ug/L	
3) Chloromethane	2.21	50	89371	20.93	ug/L	96
5) Vinyl chloride	2.36	62	128548	20.60	ug/L	97
6) Bromomethane	2.78	94	68001	18.73	ug/L	99
8) Chloroethane	2.92	64	64185	18.80	ug/L	95
9) Trichlorofluoromethane	3.26	101	62239	22.20	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	113102	25.70	ug/L	98
12) 1,1-Dichloroethene	4.03	96	107448	24.98	ug/L	95
13) Acetone	4.12	43	79780	47.39	ug/L #	70
14) Carbon disulfide	4.37	76	351441	25.05	ug/L	99
15) Methyl Acetate	4.67	43	73535	27.41	ug/L	98
16) Methylene chloride	4.91	84	122526	21.05	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	218575	25.53	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	114513	23.59	ug/L	92
19) 1,1-Dichloroethane	6.21	63	218521	23.08	ug/L	98
21) 2-Butanone	7.17	43	104297	47.00	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	124967	23.42	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56303	22.30	ug/L	97
25) Chloroform	7.68	83	226378	23.01	ug/L	100
27) 1,2-Dichloroethane	8.40	62	168428	23.21	ug/L	100
30) Cyclohexane	7.96	56	201203	25.36	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	180434	23.79	ug/L	100
32) Carbon tetrachloride	8.07	117	178200	23.83	ug/L	100
34) Benzene	8.32	78	496432	24.02	ug/L	100
35) Trichloroethene	9.09	95	129572	23.66	ug/L	99
36) Methylcyclohexane	9.34	83	229812	24.97	ug/L	100
40) 1,2-Dichloropropane	9.37	63	131049	23.85	ug/L	100
41) Bromodichloromethane	9.65	83	166204	23.32	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	198298	24.36	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	210749	51.68	ug/L	99
44) Toluene	10.39	91	545554	24.70	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	183598	24.57	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	98637	23.39	ug/L	98
47) Tetrachloroethene	10.87	164	108331	23.68	ug/L	97
49) 2-Hexanone	10.97	43	163322	52.01	ug/L	100
50) Dibromochloromethane	11.13	129	118827	23.67	ug/L	100
51) 1,2-Dibromoethane	11.24	107	97854	24.04	ug/L #	99
52) Chlorobenzene	11.66	112	344467	23.68	ug/L	97
53) Ethylbenzene	11.74	91	618631	24.84	ug/L	100
54) m,p-Xylene	11.84	106	232530	25.30	ug/L	97
55) o-xylene	12.17	106	220144	25.40	ug/L	100
56) Styrene	12.19	104	386035	25.35	ug/L	99
57) Isopropylbenzene	12.47	105	605783	25.54	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	138324	24.43	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	104772	24.66	ug/L	99
62) Bromoform	12.35	173	77019	23.93	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	267642	24.03	ug/L	96
64) 1,4-Dichlorobenzene	13.59	146	282103	23.28	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	259043	23.70	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	24053	23.57	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	208144	23.68	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	168998	23.83	ug/L	99
69) Naphthalene	15.38	128	367696	25.45	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	162420	24.03	ug/L	99

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

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