

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121218\
 Data File : VW007389.D
 Acq On : 11 Dec 2018 11:25
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02584

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:26:38 PM

Quant Time: Dec 12 02:46:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 11 01:18:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	120873	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	108073	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	54279	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	23656	30.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.20%
7) Chloroethane-d5	2.90	69	17926m	26.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.52%
10) 1,1-Dichloroethene-d2	4.01	63	75948	27.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	111.88%#
20) 2-Butanone-d5	7.07	46	22602	45.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.10%
24) Chloroform-d	7.65	84	74624	26.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.68%
26) 1,2-Dichloroethane-d4	8.31	65	43371	26.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.92%
29) Benzene-d6	8.27	84	146005	24.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.48%
33) 1,2-Dichloropropane-d6	9.27	67	41041	24.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.00%
37) Toluene-d8	10.32	98	142226	25.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.36%
38) trans-1,3-Dichloropropene-	10.58	79	22156	25.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.48%
39) 2-Hexanone-d5	10.93	63	18928	46.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	39062	25.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	50455	26.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	32369	24.521	ug/L	100
3) Chloromethane	2.22	50	22613	21.399	ug/L	95
5) Vinyl chloride	2.37	62	28183	28.269	ug/L	99
6) Bromomethane	2.78	94	17185	24.921	ug/L	99
8) Chloroethane	2.93	64	14764	24.602	ug/L	97
9) Trichlorofluoromethane	3.26	101	26476	23.135	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	39932	26.175	ug/L	92
12) 1,1-Dichloroethene	4.03	96	37041	26.094	ug/L	97
13) Acetone	4.12	43	24630	42.682	ug/L	99
14) Carbon disulfide	4.37	76	110315	26.616	ug/L	99
15) Methyl Acetate	4.67	43	18995	21.952	ug/L #	95
16) Methylene chloride	4.91	84	36753	18.818	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	55748	24.152	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	37774	24.804	ug/L	98
19) 1,1-Dichloroethane	6.21	63	64997	25.039	ug/L	97
21) 2-Butanone	7.17	43	27885	44.958	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	41574	24.808	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	19408	25.404	ug/L	91
25) Chloroform	7.67	83	71177	25.341	ug/L	100
27) 1,2-Dichloroethane	8.40	62	50123	24.964	ug/L	97
30) Cyclohexane	7.95	56	60273	23.247	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	65447	25.730	ug/L	99
32) Carbon tetrachloride	8.07	117	63010	25.634	ug/L	98
34) Benzene	8.32	78	148840	24.027	ug/L	100
35) Trichloroethene	9.09	95	43051	24.236	ug/L	99
36) Methylcyclohexane	9.34	83	72649	23.692	ug/L	99
40) 1,2-Dichloropropane	9.37	63	36226	23.907	ug/L	100
41) Bromodichloromethane	9.65	83	52577	24.165	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	61188	24.045	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	51475	42.918	ug/L	99
44) Toluene	10.39	91	165393	24.771	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	55396	24.788	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	30669	24.580	ug/L	97
47) Tetrachloroethene	10.87	164	33188	24.734	ug/L	94
49) 2-Hexanone	10.97	43	38567	45.752	ug/L	97
50) Dibromochloromethane	11.13	129	38267	24.965	ug/L	100
51) 1,2-Dibromoethane	11.24	107	30680	24.483	ug/L	97
52) Chlorobenzene	11.66	112	108958	25.144	ug/L	95
53) Ethylbenzene	11.73	91	190570	25.383	ug/L	96
54) m,p-Xylene	11.84	106	72425	25.394	ug/L	87
55) o-xylene	12.17	106	69807	25.900	ug/L	96
56) Styrene	12.18	104	119341	25.831	ug/L	96
57) Isopropylbenzene	12.47	105	195524	25.992	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	37979	24.554	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	29743	24.293	ug/L	99
62) Bromoform	12.35	173	22355	24.049	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	86333	24.758	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	87343	25.125	ug/L	89
65) 1,2-Dichlorobenzene	13.87	146	79974	25.626	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	7670	23.205	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	62648	24.801	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	54576	25.061	ug/L	97
69) Naphthalene	15.37	128	128238	23.823	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	48745	24.620	ug/L	99

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

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