

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081418\
 Data File : VW004639.D
 Acq On : 13 Aug 2018 10:56
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 5:56:48 PM

Quant Time: Aug 14 01:17:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 05:02:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	827562	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	798573	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	415325	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	185982	18.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.28%
7) Chloroethane-d5	2.90	69	169699	19.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.40%
10) 1,1-Dichloroethene-d2	4.02	63	430141	20.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.32%
20) 2-Butanone-d5	7.09	46	232163	51.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.30%
24) Chloroform-d	7.65	84	469782	20.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.88%
26) 1,2-Dichloroethane-d4	8.31	65	251440	20.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.52%
29) Benzene-d6	8.28	84	877459	20.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.60%
33) 1,2-Dichloropropane-d6	9.28	67	286913	20.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.64%
37) Toluene-d8	10.33	98	788290	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.20%
38) trans-1,3-Dichloropropene-	10.59	79	122173	21.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.60%
39) 2-Hexanone-d5	10.93	63	181363	53.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.32%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	351967	23.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.52%
61) 1,2-Dichlorobenzene-d4	13.87	152	340867	21.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	218579m	25.40	ug/L	
3) Chloromethane	2.22	50	237689	20.91	ug/L	98
5) Vinyl chloride	2.37	62	384741	25.94	ug/L	98
6) Bromomethane	2.79	94	213155	24.85	ug/L	99
8) Chloroethane	2.93	64	228371	25.67	ug/L	97
9) Trichlorofluoromethane	3.26	101	204555	30.24	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	324596	27.64	ug/L	97
12) 1,1-Dichloroethene	4.03	96	295234	25.73	ug/L	96
13) Acetone	4.14	43	244995	62.31	ug/L	98
14) Carbon disulfide	4.37	76	885379	25.15	ug/L	100
15) Methyl Acetate	4.68	43	208929	26.07	ug/L	98
16) Methylene chloride	4.91	84	350451	21.32	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	434406	27.97	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	302958	25.82	ug/L	99
19) 1,1-Dichloroethane	6.21	63	559298	25.12	ug/L	100
21) 2-Butanone	7.18	43	296505	55.09	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	341829	26.69	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	155931	25.44	ug/L	95
25) Chloroform	7.68	83	562932	24.77	ug/L	100
27) 1,2-Dichloroethane	8.40	62	356080	23.32	ug/L	99
30) Cyclohexane	7.96	56	526639	27.89	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	454456	26.79	ug/L	98
32) Carbon tetrachloride	8.07	117	427838	26.17	ug/L	99
34) Benzene	8.33	78	1257504	25.54	ug/L	100
35) Trichloroethene	9.09	95	315077	25.44	ug/L	99
36) Methylcyclohexane	9.34	83	591511	27.21	ug/L	99
40) 1,2-Dichloropropane	9.37	63	326495	25.04	ug/L	99
41) Bromodichloromethane	9.65	83	382941	24.45	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	465151	26.08	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	526831	53.88	ug/L	99
44) Toluene	10.39	91	1335459	26.95	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	420371	26.22	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	259342	25.58	ug/L	99
47) Tetrachloroethene	10.87	164	261835	26.72	ug/L	98
49) 2-Hexanone	10.98	43	410881	55.92	ug/L	98
50) Dibromochloromethane	11.13	129	288212	25.63	ug/L	99
51) 1,2-Dibromoethane	11.24	107	252055	25.94	ug/L #	96
52) Chlorobenzene	11.66	112	872188	26.03	ug/L	98
53) Ethylbenzene	11.74	91	1515725	27.22	ug/L	98
54) m,p-Xylene	11.85	106	576340	27.75	ug/L	98
55) o-xylene	12.17	106	549155	27.90	ug/L	99
56) Styrene	12.19	104	963190	28.08	ug/L	99
57) Isopropylbenzene	12.47	105	1536870	28.85	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	381822	25.95	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	287054	26.12	ug/L	99
62) Bromoform	12.35	173	194272	25.74	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	696651	26.96	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	722450	26.01	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	675244	26.08	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	66077	24.84	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	559445	27.31	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	464360	28.02	ug/L	100
69) Naphthalene	15.38	128	1082789	28.65	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	452649	28.04	ug/L	100

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

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