

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102318\
 Data File : VW006308.D
 Acq On : 23 Oct 2018 21:34
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:08:17 PM

Quant Time: Oct 24 06:54:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	329720	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	309807	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	170251	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74046	19.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.64%
7) Chloroethane-d5	2.90	69	74371	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.96%
10) 1,1-Dichloroethene-d2	4.02	63	170543	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	7.09	46	66346	53.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.66%
24) Chloroform-d	7.65	84	173533	24.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	8.31	65	96786	24.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.96%
29) Benzene-d6	8.27	84	340820	24.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.92%
33) 1,2-Dichloropropane-d6	9.28	67	99824	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	10.33	98	341173	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.00%
38) trans-1,3-Dichloropropene-	10.58	79	43351	21.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.04%
39) 2-Hexanone-d5	10.93	63	56131	54.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111715	27.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	143226	24.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	103016	33.057 ug/L	97
3) Chloromethane	2.21	50	87056	28.446 ug/L	99
5) Vinyl chloride	2.37	62	127342	25.816 ug/L	99
6) Bromomethane	2.79	94	97767	25.455 ug/L	99
8) Chloroethane	2.93	64	82055	27.140 ug/L	100
9) Trichlorofluoromethane	3.26	101	119545	30.294 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	112805	28.592 ug/L	99
12) 1,1-Dichloroethene	4.04	96	104148m	27.512 ug/L	
13) Acetone	4.14	43	66943	53.761 ug/L	100
14) Carbon disulfide	4.38	76	303827	24.551 ug/L	100
15) Methyl Acetate	4.68	43	59762	29.631 ug/L	99
16) Methylene chloride	4.92	84	105634	24.815 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	160640	26.069 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	111951	26.712 ug/L	96
19) 1,1-Dichloroethane	6.22	63	176647	26.045 ug/L	99
21) 2-Butanone	7.18	43	85775	51.841 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	117604	25.724 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	55919	26.005	ug/L	95
25) Chloroform	7.68	83	193928	26.563	ug/L	100
27) 1,2-Dichloroethane	8.40	62	133710	26.869	ug/L	98
30) Cyclohexane	7.96	56	176405	25.907	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	172544	26.615	ug/L	98
32) Carbon tetrachloride	8.07	117	167918	26.411	ug/L	100
34) Benzene	8.33	78	421855	26.525	ug/L	100
35) Trichloroethene	9.09	95	120371	26.900	ug/L	99
36) Methylcyclohexane	9.34	83	223017	27.201	ug/L	99
40) 1,2-Dichloropropane	9.37	63	101330	25.684	ug/L	99
41) Bromodichloromethane	9.65	83	130746	24.541	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	156245	24.247	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	169550	53.631	ug/L	98
44) Toluene	10.39	91	479197	26.834	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	139497	24.783	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	89513	27.246	ug/L	98
47) Tetrachloroethene	10.87	164	114142	27.556	ug/L	95
49) 2-Hexanone	10.98	43	129660	55.650	ug/L	96
50) Dibromochloromethane	11.13	129	104763	24.878	ug/L	100
51) 1,2-Dibromoethane	11.24	107	93001	27.195	ug/L	99
52) Chlorobenzene	11.66	112	319882	26.469	ug/L	99
53) Ethylbenzene	11.74	91	554851	26.688	ug/L	100
54) m,p-Xylene	11.84	106	214900	26.371	ug/L	98
55) o-xylene	12.17	106	207190	26.628	ug/L	95
56) Styrene	12.19	104	351306	26.218	ug/L	94
57) Isopropylbenzene	12.47	105	586144	27.073	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	125439	29.380	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	94998	29.822	ug/L	100
62) Bromoform	12.35	173	71453	25.047	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	272846	26.097	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	276857	26.296	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	255049	26.518	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22360	28.882	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	222939	26.453	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	186454	25.946	ug/L	100
69) Naphthalene	15.38	128	408393	28.069	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	172029	26.646	ug/L	99

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

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