

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080718\
 Data File : VW004485.D
 Acq On : 07 Aug 2018 08:56
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02581

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 9:10:42 AM

Quant Time: Aug 08 05:37:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 06 04:44:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1032100	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	992468	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	507285	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	276827	21.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.24%
7) Chloroethane-d5	2.90	69	248719	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
10) 1,1-Dichloroethene-d2	4.01	63	594458	22.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.20%
20) 2-Butanone-d5	7.10	46	246614	43.57	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.14%
24) Chloroform-d	7.65	84	640836	22.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.76%
26) 1,2-Dichloroethane-d4	8.31	65	337492	21.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.64%
29) Benzene-d6	8.28	84	1225676	23.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.84%
33) 1,2-Dichloropropane-d6	9.28	67	405405	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	10.33	98	1105474	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.00%
38) trans-1,3-Dichloropropene-	10.58	79	167045	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.16%
39) 2-Hexanone-d5	10.93	63	196091	46.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.36%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	421669	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	453945	23.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.32%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	2.01	85	267439	24.92	ug/L	99
3) Chloromethane	2.21	50	289990	20.46	ug/L	98
5) Vinyl chloride	2.37	62	459599	24.85	ug/L	98
6) Bromomethane	2.79	94	252379	23.59	ug/L	97
8) Chloroethane	2.93	64	274367	24.73	ug/L	96
9) Trichlorofluoromethane	3.26	101	229570	27.21	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	384848	26.27	ug/L	97
12) 1,1-Dichloroethene	4.03	96	347502	24.28	ug/L	98
13) Acetone	4.15	43	242244	49.40	ug/L	99
14) Carbon disulfide	4.37	76	1050658	23.93	ug/L	100
15) Methyl Acetate	4.68	43	206089m	20.62	ug/L	
16) Methylene chloride	4.91	84	459496	22.41	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	488564	25.22	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	353128	24.13	ug/L	100
19) 1,1-Dichloroethane	6.22	63	661376	23.81	ug/L	100
21) 2-Butanone	7.19	43	278245	41.45	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	389767	24.40	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	173577	22.70	ug/L	96
25) Chloroform	7.68	83	659202	23.25	ug/L	100
27) 1,2-Dichloroethane	8.40	62	413269	21.70	ug/L	100
30) Cyclohexane	7.96	56	618924	26.37	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	533684	25.31	ug/L	98
32) Carbon tetrachloride	8.07	117	494524	24.33	ug/L	100
34) Benzene	8.33	78	1478640	24.16	ug/L	100
35) Trichloroethene	9.09	95	365593	23.75	ug/L	99
36) Methylcyclohexane	9.34	83	694203	25.69	ug/L	100
40) 1,2-Dichloropropane	9.37	63	383040	23.64	ug/L	100
41) Bromodichloromethane	9.65	83	440239	22.61	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	538841	24.31	ug/L	98
43) 4-Methyl-2-pentanone	10.22	43	521969	42.96	ug/L	100
44) Toluene	10.39	91	1546661	25.12	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	482809	24.23	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	287045	22.78	ug/L	99
47) Tetrachloroethene	10.87	164	296366	24.34	ug/L	99
49) 2-Hexanone	10.98	43	409150	44.81	ug/L	99
50) Dibromochloromethane	11.13	129	323426	23.14	ug/L	99
51) 1,2-Dibromoethane	11.24	107	276710	22.91	ug/L	98
52) Chlorobenzene	11.66	112	1006305	24.16	ug/L	99
53) Ethylbenzene	11.74	91	1756436	25.38	ug/L	99
54) m,p-Xylene	11.85	106	665541	25.78	ug/L	98
55) o-xylene	12.17	106	633990	25.92	ug/L	100
56) Styrene	12.19	104	1114485	26.15	ug/L	98
57) Isopropylbenzene	12.47	105	1768008	26.70	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	398931	21.82	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	295863	21.66	ug/L	100
62) Bromoform	12.35	173	204785	22.21	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	780935	24.74	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	813549	23.98	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	755663	23.89	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	64079	19.72	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	626429	25.03	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	515805	25.48	ug/L	99
69) Naphthalene	15.38	128	1105511	23.95	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	495748	25.15	ug/L	100

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

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