

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072118\
 Data File : VW004108.D
 Acq On : 21 Jul 2018 11:35
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02595

Manual Integrations
 APPROVED

sam
 7/24/2018 9:32:02 AM

Quant Time: Jul 22 23:57:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 06:22:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	371078	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345181	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	181799	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	71817	19.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.24%
7) Chloroethane-d5	2.89	69	58498	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
10) 1,1-Dichloroethene-d2	4.01	63	199299	22.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.52%
20) 2-Butanone-d5	7.08	46	96037	44.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.24%
24) Chloroform-d	7.65	84	218923	24.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	8.31	65	126791	23.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.60%
29) Benzene-d6	8.28	84	389834	24.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.40%
33) 1,2-Dichloropropane-d6	9.28	67	133595	25.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.08%
37) Toluene-d8	10.33	98	349930	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.28%
38) trans-1,3-Dichloropropene-	10.58	79	57663	24.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.28%
39) 2-Hexanone-d5	10.93	63	69392	48.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.54%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	142738	24.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.60%
61) 1,2-Dichlorobenzene-d4	13.87	152	143298	24.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	40144m	16.896	ug/L
3) Chloromethane	2.21	50	82185	21.638	ug/L
5) Vinyl chloride	2.36	62	117248	20.500	ug/L
6) Bromomethane	2.78	94	64762	21.329	ug/L
8) Chloroethane	2.93	64	64765	21.600	ug/L
9) Trichlorofluoromethane	3.26	101	75239	26.404	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	123391	24.351	ug/L
12) 1,1-Dichloroethene	4.03	96	116718	23.629	ug/L
13) Acetone	4.12	43	84508	36.114	ug/L
14) Carbon disulfide	4.37	76	376058	23.533	ug/L
15) Methyl Acetate	4.67	43	78134	19.572	ug/L
16) Methylene chloride	4.91	84	127936	17.971	ug/L
17) Methyl tert-butyl Ether	5.43	73	223383	23.383	ug/L
18) trans-1,2-Dichloroethene	5.42	96	125118	24.603	ug/L
19) 1,1-Dichloroethane	6.21	63	238307	24.631	ug/L
21) 2-Butanone	7.17	43	107373	36.981	ug/L
22) cis-1,2-Dichloroethene	7.17	96	132562	24.388	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62413	24.420	ug/L	96
25) Chloroform	7.68	83	240875	24.380	ug/L	99
27) 1,2-Dichloroethane	8.40	62	170935	23.475	ug/L	98
30) Cyclohexane	7.96	56	217247	25.805	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	197887	25.207	ug/L	99
32) Carbon tetrachloride	8.07	117	185843	24.537	ug/L	99
34) Benzene	8.33	78	529288	25.015	ug/L	100
35) Trichloroethene	9.09	95	137051	24.209	ug/L	98
36) Methylcyclohexane	9.34	83	244594	26.141	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141863	24.732	ug/L	100
41) Bromodichloromethane	9.65	83	173121	24.514	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	205657	25.445	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	213398	42.320	ug/L	99
44) Toluene	10.39	91	569988	25.708	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	187085	25.096	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	103538	23.226	ug/L	98
47) Tetrachloroethene	10.87	164	111299	24.377	ug/L	95
49) 2-Hexanone	10.98	43	164731	42.197	ug/L	99
50) Dibromochloromethane	11.13	129	121712	24.372	ug/L	98
51) 1,2-Dibromoethane	11.24	107	100698	23.128	ug/L	99
52) Chlorobenzene	11.66	112	348872	24.541	ug/L	100
53) Ethylbenzene	11.74	91	633718	26.405	ug/L	100
54) m,p-Xylene	11.85	106	237933	26.899	ug/L	98
55) o-xylene	12.17	106	216751	25.618	ug/L	97
56) Styrene	12.19	104	381262	26.085	ug/L	98
57) Isopropylbenzene	12.48	105	628222	27.082	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	137983	21.655	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	106385	21.568	ug/L	99
62) Bromoform	12.35	173	73483	21.418	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	272802	24.363	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	285147	23.751	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	262256	24.034	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	24112	18.954	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	215132	24.297	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	172042	24.229	ug/L	99
69) Naphthalene	15.38	128	368171	23.029	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	167579	24.805	ug/L	98

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

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