

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081818\
 Data File : VW004733.D
 Acq On : 16 Aug 2018 18:02
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02599

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 3:03:28 PM

Quant Time: Aug 16 18:50:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 02:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	907901	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	888254	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	464834	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	300916	20.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.40%
7) Chloroethane-d5	2.89	69	249841	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.56%
10) 1,1-Dichloroethene-d2	4.01	63	603363	22.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.44%
20) 2-Butanone-d5	7.09	46	182342	46.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.40%
24) Chloroform-d	7.65	84	596013	24.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	8.31	65	315569	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
29) Benzene-d6	8.27	84	1184918	23.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.16%
33) 1,2-Dichloropropane-d6	9.27	67	368005	23.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.12%
37) Toluene-d8	10.33	98	1075159	24.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.20%
38) trans-1,3-Dichloropropene-	10.58	79	150882	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.08%
39) 2-Hexanone-d5	10.93	63	155627	50.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	362182	24.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	420988	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	273595m	25.19	ug/L	
3) Chloromethane	2.21	50	276102	21.43	ug/L	99
5) Vinyl chloride	2.37	62	461265	24.67	ug/L	98
6) Bromomethane	2.78	94	250496	23.37	ug/L	100
8) Chloroethane	2.93	64	253606	24.18	ug/L	95
9) Trichlorofluoromethane	3.26	101	203686	21.62	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	355966	25.71	ug/L	98
12) 1,1-Dichloroethene	4.03	96	341596	25.13	ug/L	99
13) Acetone	4.14	43	177487	49.54	ug/L	99
14) Carbon disulfide	4.37	76	1136667	23.98	ug/L	99
15) Methyl Acetate	4.67	43	178771	23.09	ug/L	100
16) Methylene chloride	4.91	84	389533	21.48	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	440932	24.84	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	347912	24.92	ug/L	99
19) 1,1-Dichloroethane	6.21	63	628978	25.47	ug/L	98
21) 2-Butanone	7.18	43	236390	47.17	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	374757	25.45	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	172770	25.15	ug/L	99
25) Chloroform	7.68	83	630155	25.64	ug/L	100
27) 1,2-Dichloroethane	8.40	62	398553	25.08	ug/L	99
30) Cyclohexane	7.96	56	604768	26.05	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	497836	25.05	ug/L	100
32) Carbon tetrachloride	8.07	117	470701	24.90	ug/L	99
34) Benzene	8.32	78	1444411	25.55	ug/L	100
35) Trichloroethene	9.09	95	356781	25.07	ug/L	99
36) Methylcyclohexane	9.34	83	693928	26.14	ug/L	100
40) 1,2-Dichloropropane	9.37	63	370783	25.84	ug/L	100
41) Bromodichloromethane	9.65	83	427302	25.49	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	513972	25.74	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	469427	49.42	ug/L	100
44) Toluene	10.39	91	1524216	26.62	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	460146	26.13	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	277439	25.59	ug/L	98
47) Tetrachloroethene	10.87	164	300627	25.47	ug/L	99
49) 2-Hexanone	10.98	43	362253	52.36	ug/L	99
50) Dibromochloromethane	11.13	129	317152	26.00	ug/L	98
51) 1,2-Dibromoethane	11.24	107	265945	25.44	ug/L	98
52) Chlorobenzene	11.66	112	992201	25.96	ug/L	99
53) Ethylbenzene	11.74	91	1712817	26.86	ug/L	99
54) m,p-Xylene	11.84	106	657692	27.14	ug/L	99
55) o-xylene	12.17	106	622658	27.18	ug/L	100
56) Styrene	12.19	104	1103855	28.09	ug/L	98
57) Isopropylbenzene	12.47	105	1698135	27.37	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	373844	25.00	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	274238	24.91	ug/L	99
62) Bromoform	12.35	173	195581	24.48	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	762883	25.59	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	808699	25.39	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	749435	25.49	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	57037	23.02	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	619605	25.83	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	505252	26.00	ug/L	100
69) Naphthalene	15.38	128	1033507	25.84	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	493729	26.62	ug/L	99

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

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