

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090618\
 Data File : VV007419.D
 Acq On : 06 Sep 2018 14:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 1:12:29 PM

Quant Time: Sep 07 01:26:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 02:12:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	505166	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	509204	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	255498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138984	38.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.04%
7) Chloroethane-d5	1.56	69	108000	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.38%
11) 1,1-Dichloroethene-d2	2.13	63	261951	41.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.42%
21) 2-Butanone-d5	3.96	46	273502	93.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.18%
24) Chloroform-d	4.41	84	348880	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	5.09	65	212362	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
32) Benzene-d6	5.10	84	640981	41.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.54%
36) 1,2-Dichloropropane-d6	6.12	67	223574	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.94%
41) Toluene-d8	7.36	98	583716	44.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.36%
43) trans-1,3-Dichloropropene-	7.67	79	97813	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.30%
47) 2-Hexanone-d5	8.14	63	200466	99.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.43%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	365959	52.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	259478	47.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	214063m	53.39	ug/L
3) Chloromethane	1.26	50	248259	58.37	ug/L
5) Vinyl chloride	1.33	62	225638	52.33	ug/L
6) Bromomethane	1.51	94	90518	43.57	ug/L
8) Chloroethane	1.58	64	118404	53.51	ug/L
9) Trichlorofluoromethane	1.76	101	280534	51.40	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	177790	52.46	ug/L
12) 1,1-Dichloroethene	2.14	96	158756	49.69	ug/L
13) Acetone	2.19	43	196532	112.45	ug/L
14) Carbon disulfide	2.31	76	437432	48.32	ug/L
15) Methyl Acetate	2.46	43	186673	49.03	ug/L
16) Methylene chloride	2.53	84	193116	50.83	ug/L
17) trans-1,2-Dichloroethene	2.79	96	171864	49.31	ug/L
18) Methyl tert-butyl Ether	2.81	73	551712	50.55	ug/L
19) 1,1-Dichloroethane	3.23	63	332141	46.01	ug/L
20) cis-1,2-Dichloroethene	3.96	96	198888	49.59	ug/L
22) 2-Butanone	4.04	43	310305	106.01	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	105213	50.14	ug/L	99
25) Chloroform	4.43	83	360034	50.67	ug/L	99
27) 1,2-Dichloroethane	5.18	62	265717	49.95	ug/L	100
29) Cyclohexane	4.72	56	272662	48.30	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	294191	47.31	ug/L	99
31) Carbon tetrachloride	4.87	117	256161	47.59	ug/L	100
33) Benzene	5.15	78	806467	49.51	ug/L	100
34) Trichloroethene	5.96	95	185895	46.75	ug/L	98
35) Methylcyclohexane	6.18	83	298978	50.43	ug/L	99
37) 1,2-Dichloropropane	6.23	63	218377	48.79	ug/L	100
38) Bromodichloromethane	6.56	83	265518	48.58	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	283124	47.10	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	526554	101.83	ug/L	99
42) Toluene	7.43	91	828547	52.88	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	283177	50.39	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	208767	49.42	ug/L	100
46) Tetrachloroethene	8.02	164	159267	49.81	ug/L	98
48) 2-Hexanone	8.19	43	451125	111.87	ug/L	97
49) Dibromochloromethane	8.30	129	216037	49.86	ug/L	99
50) 1,2-Dibromoethane	8.40	107	205980	49.92	ug/L	99
51) Chlorobenzene	8.93	112	536239	50.68	ug/L	99
52) Ethylbenzene	9.06	91	845492	53.21	ug/L	100
53) m,p-Xylene	9.19	106	334040	54.91	ug/L	98
54) o-xylene	9.59	106	317487	53.67	ug/L	100
55) Styrene	9.61	104	600929	58.64	ug/L	99
56) Isopropylbenzene	9.98	105	826852	55.27	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	352389	52.74	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	280051	52.61	ug/L	100
61) Bromoform	9.78	173	162951	46.83	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	387839	49.97	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	431946	51.89	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	452256	52.12	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	68926	46.85	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	305794	51.34	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	227692	49.35	ug/L	100
69) Naphthalene	13.56	128	627067	47.09	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	263853	51.75	ug/L	99

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

