

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061120\
 Data File : VV016839.D
 Acq On : 11 Jun 2020 20:03
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Manual Integrations
 APPROVED

MMDadoda
 6/12/2020 3:36:22 PM

Quant Time: Jun 12 06:03:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 05:55:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	363960	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	347270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	179800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	96038	37.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.80%
7) Chloroethane-d5	1.56	69	64499	41.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.72%
11) 1,1-Dichloroethene-d2	2.12	63	180689	41.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.80%
21) 2-Butanone-d5	3.90	46	175265m	92.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.21%
24) Chloroform-d	4.37	84	234193	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.70%
26) 1,2-Dichloroethane-d4	5.05	65	161483	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
32) Benzene-d6	5.07	84	424866	42.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.88%
36) 1,2-Dichloropropane-d6	6.09	67	132768	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.10%
41) Toluene-d8	7.34	98	399687	43.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.02%
43) trans-1,3-Dichloropropene-	7.64	79	68467	42.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.26%
47) 2-Hexanone-d5	8.11	63	118867	87.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.38%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	186182	45.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	172077	44.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	135448	46.940	ug/L 98
3) Chloromethane	1.25	50	115058	43.602	ug/L 98
5) Vinyl chloride	1.32	62	118925	45.829	ug/L 100
6) Bromomethane	1.51	94	42057	38.914	ug/L 95
8) Chloroethane	1.58	64	61629	48.079	ug/L 97
9) Trichlorofluoromethane	1.75	101	185408	47.745	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	87966	45.459	ug/L 99
12) 1,1-Dichloroethene	2.13	96	81221	44.962	ug/L 98
13) Acetone	2.17	43	101336	80.914	ug/L 98
14) Carbon disulfide	2.30	76	279640	42.756	ug/L 99
15) Methyl Acetate	2.44	43	132961	47.632	ug/L 99
16) Methylene chloride	2.52	84	120732	45.546	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	111687	45.346	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	389318	47.704	ug/L 99
19) 1,1-Dichloroethane	3.21	63	216910	46.787	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	123502	45.995	ug/L 98
22) 2-Butanone	3.98	43	180304	93.359	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	64638	45.698	ug/L	99
25) Chloroform	4.40	83	229262	48.118	ug/L	100
27) 1,2-Dichloroethane	5.15	62	196431	49.180	ug/L	97
29) Cyclohexane	4.70	56	190335	44.106	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	207983	46.963	ug/L	98
31) Carbon tetrachloride	4.85	117	184263	48.095	ug/L	99
33) Benzene	5.12	78	462640	45.027	ug/L	100
34) Trichloroethene	5.94	95	125327	45.480	ug/L	99
35) Methylcyclohexane	6.15	83	191725	44.350	ug/L	98
37) 1,2-Dichloropropane	6.20	63	121990	45.655	ug/L	99
38) Bromodichloromethane	6.53	83	166318	46.758	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	193730	46.676	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	368031	97.200	ug/L	99
42) Toluene	7.41	91	502323	46.376	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	187976	46.585	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	117974	45.763	ug/L	98
46) Tetrachloroethene	8.00	164	98375	45.392	ug/L	99
48) 2-Hexanone	8.16	43	281996	96.055	ug/L	98
49) Dibromochloromethane	8.27	129	130025	47.173	ug/L	100
50) 1,2-Dibromoethane	8.37	107	126857	46.991	ug/L	100
51) Chlorobenzene	8.90	112	321921	45.554	ug/L	99
52) Ethylbenzene	9.03	91	559522	46.637	ug/L	99
53) m,p-Xylene	9.16	106	212723	47.621	ug/L	99
54) o-xylene	9.57	106	209655	47.589	ug/L	97
55) Styrene	9.58	104	357098	47.942	ug/L	99
56) Isopropylbenzene	9.95	105	566848	47.885	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	185106	46.833	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	156370	47.167	ug/L	99
61) Bromoform	9.75	173	88501	47.854	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	263401	46.252	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	266159	45.935	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	273833	47.981	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	42318	47.157	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	197063	46.405	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	183090	47.005	ug/L	100
69) Naphthalene	13.53	128	558939	49.886	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	184544	48.421	ug/L	99

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

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