

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031720\
 Data File : VV014990.D
 Acq On : 17 Mar 2020 21:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Manual Integrations
 APPROVED

apatel
 3/18/2020 3:04:39 PM

Quant Time: Mar 18 07:43:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 05:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	335363	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	326492	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	177507	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99449	44.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.02%
7) Chloroethane-d5	1.58	69	74277	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	2.12	63	156806	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.48%
21) 2-Butanone-d5	3.93	46	117152	86.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.00%
24) Chloroform-d	4.38	84	224170	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.32%
26) 1,2-Dichloroethane-d4	5.06	65	143056	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
32) Benzene-d6	5.08	84	438239	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.10	67	129237	48.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.50%
41) Toluene-d8	7.34	98	442454	49.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.48%
43) trans-1,3-Dichloropropene-	7.64	79	69199	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.20%
47) 2-Hexanone-d5	8.12	63	121977	100.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.89%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	189748	48.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	192267	49.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	143394	45.744	ug/L 98
3) Chloromethane	1.25	50	99356	44.038	ug/L 99
5) Vinyl chloride	1.32	62	96308	44.051	ug/L 98
6) Bromomethane	1.53	94	61529	43.900	ug/L 98
8) Chloroethane	1.60	64	53755	45.185	ug/L 97
9) Trichlorofluoromethane	1.76	101	160182	46.303	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	77787	45.025	ug/L 98
12) 1,1-Dichloroethene	2.13	96	72696	46.126	ug/L 86
13) Acetone	2.20	43	86535m	64.288	ug/L
14) Carbon disulfide	2.31	76	236657	45.766	ug/L 99
15) Methyl Acetate	2.45	43	82391	47.389	ug/L 97
16) Methylene chloride	2.52	84	112667	47.250	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	105210	47.563	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	342754	48.483	ug/L 100
19) 1,1-Dichloroethane	3.21	63	189411	47.629	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	121229	48.104	ug/L 98
22) 2-Butanone	4.01	43	127660m	94.409	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	65403	49.002	ug/L	94
25) Chloroform	4.41	83	214344	48.817	ug/L	100
27) 1,2-Dichloroethane	5.16	62	160252	48.431	ug/L	97
29) Cyclohexane	4.70	56	158795	47.090	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	192701	49.624	ug/L	100
31) Carbon tetrachloride	4.86	117	173007	49.974	ug/L	99
33) Benzene	5.13	78	435333	49.001	ug/L	100
34) Trichloroethene	5.94	95	116007	48.659	ug/L	98
35) Methylcyclohexane	6.16	83	180279	46.875	ug/L	98
37) 1,2-Dichloropropane	6.20	63	107858	48.450	ug/L	99
38) Bromodichloromethane	6.53	83	158559	50.244	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	179480	49.043	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	299856	100.129	ug/L	98
42) Toluene	7.41	91	498112	49.828	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	162913	50.031	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	116372	50.199	ug/L	98
46) Tetrachloroethene	8.00	164	108877	48.883	ug/L	98
48) 2-Hexanone	8.17	43	232669	97.820	ug/L	94
49) Dibromochloromethane	8.27	129	133089	51.037	ug/L	97
50) 1,2-Dibromoethane	8.37	107	126633	49.797	ug/L	99
51) Chlorobenzene	8.90	112	345588	50.201	ug/L	98
52) Ethylbenzene	9.03	91	567360	49.795	ug/L	99
53) m,p-Xylene	9.16	106	225190	50.929	ug/L	97
54) o-xylene	9.56	106	218884	49.932	ug/L	97
55) Styrene	9.58	104	376868	51.498	ug/L	100
56) Isopropylbenzene	9.95	105	584083	50.530	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	187808	48.971	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	152769	50.045	ug/L	98
61) Bromoform	9.75	173	98510	51.725	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	295899	50.585	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	329192	55.867	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	336064	57.514	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	44180	50.296	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	220485	48.075	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	256251	62.688	ug/L	99
69) Naphthalene	13.52	128	281483	53.605	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	214702	53.060	ug/L	99

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

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