

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031620\
 Data File : VV014939.D
 Acq On : 16 Mar 2020 12:05
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Manual Integrations
 APPROVED

apatel
 3/18/2020 3:11:55 PM

Quant Time: Mar 18 03:13:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 01:54:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	377094	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	374058	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	201505	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122663	48.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.66%
7) Chloroethane-d5	1.58	69	91686	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.28%
11) 1,1-Dichloroethene-d2	2.12	63	186731	48.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.90%
21) 2-Butanone-d5	3.93	46	137667	89.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.87%
24) Chloroform-d	4.38	84	251922	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
26) 1,2-Dichloroethane-d4	5.06	65	157488	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.08	84	502017	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.10	67	147835	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.36%
41) Toluene-d8	7.34	98	501128	49.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.34%
43) trans-1,3-Dichloropropene-	7.64	79	80143	49.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.24%
47) 2-Hexanone-d5	8.12	63	142475	102.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.86%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	217524	48.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.84%
64) 1,2-Dichlorobenzene-d4	11.65	152	215512	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	171181	48.565	ug/L 99
3) Chloromethane	1.25	50	127046	50.080	ug/L 98
5) Vinyl chloride	1.32	62	120473	49.006	ug/L 100
6) Bromomethane	1.53	94	80200	50.889	ug/L 98
8) Chloroethane	1.60	64	65786	49.179	ug/L 99
9) Trichlorofluoromethane	1.77	101	190844	49.061	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92565	47.649	ug/L 98
12) 1,1-Dichloroethene	2.13	96	88907	50.170	ug/L 94
13) Acetone	2.20	43	129439m	85.520	ug/L
14) Carbon disulfide	2.31	76	289235	49.744	ug/L 99
15) Methyl Acetate	2.46	43	94040	48.104	ug/L 97
16) Methylene chloride	2.53	84	132362	49.367	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	126542	50.875	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	395225	49.718	ug/L 98
19) 1,1-Dichloroethane	3.21	63	221734	49.587	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	140406	49.548	ug/L 95
22) 2-Butanone	4.01	43	136396	89.707	ug/L 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	74604	49.710	uq/L	96
25) Chloroform	4.41	83	241821	48.980	uq/L	98
27) 1,2-Dichloroethane	5.16	62	178965	48.101	uq/L	97
29) Cyclohexane	4.70	56	192430	49.807	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	221760	49.846	uq/L	99
31) Carbon tetrachloride	4.86	117	192678	48.579	uq/L	98
33) Benzene	5.13	78	509241	50.031	uq/L	100
34) Trichloroethene	5.94	95	134459	49.227	uq/L	98
35) Methylcyclohexane	6.16	83	217951	49.464	uq/L	99
37) 1,2-Dichloropropane	6.20	63	126541	49.615	uq/L	99
38) Bromodichloromethane	6.53	83	179359	49.608	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	209080	49.866	uq/L	97
40) 4-Methyl-2-pentanone	7.26	43	352326	102.690	uq/L	100
42) Toluene	7.41	91	580563	50.690	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	195206	52.325	uq/L	96
45) 1,1,2-Trichloroethane	7.86	97	133912	50.420	uq/L	99
46) Tetrachloroethene	8.00	164	127435	49.939	uq/L	98
48) 2-Hexanone	8.17	43	284213	104.296	uq/L	98
49) Dibromochloromethane	8.27	129	154682	51.774	uq/L	94
50) 1,2-Dibromoethane	8.38	107	147096	50.488	uq/L	99
51) Chlorobenzene	8.90	112	392840	49.808	uq/L	100
52) Ethylbenzene	9.03	91	661460	50.672	uq/L	99
53) m,p-Xylene	9.16	106	254755	50.289	uq/L	99
54) o-xylene	9.56	106	252180	50.212	uq/L	99
55) Styrene	9.58	104	438101	52.252	uq/L	99
56) Isopropylbenzene	9.95	105	667195	50.381	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	219781	50.020	uq/L	98
59) 1,2,3-Trichloropropane	10.30	75	176850	50.567	uq/L	99
61) Bromoform	9.75	173	111635	51.636	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	333947	50.291	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	335354	50.135	uq/L	97
65) 1,2-Dichlorobenzene	11.66	146	334443	50.420	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	50816	50.961	uq/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	264228	50.752	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	236309	50.924	uq/L	99
69) Naphthalene	13.52	128	323510	54.271	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	243960	53.110	uq/L	99

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

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