

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019301.D
 Acq On : 09 Nov 2020 13:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050315

Quant Time: Nov 10 07:00:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 06 14:44:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	275308	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	271215	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	149925	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80000	37.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.30%
7) Chloroethane-d5	1.58	69	72486	43.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.08%
11) 1,1-Dichloroethene-d2	2.12	63	177017	45.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.00%
21) 2-Butanone-d5	3.91	46	128810	109.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.95%
24) Chloroform-d	4.37	84	176107	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
26) 1,2-Dichloroethane-d4	5.05	65	120252	43.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.80%
32) Benzene-d6	5.07	84	323841	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.48%
36) 1,2-Dichloropropane-d6	6.09	67	103211	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.32%
41) Toluene-d8	7.33	98	298024	42.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.44%
43) trans-1,3-Dichloropropene-	7.64	79	57367	45.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.62%
47) 2-Hexanone-d5	8.11	63	87300	100.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.57%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	139963	46.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.96%
66) 1,2-Dichlorobenzene-d4	11.65	152	130458	43.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	76734	45.495	ug/L	99
3) Chloromethane	1.25	50	91469	52.082	ug/L	98
5) Vinyl chloride	1.32	62	94226	51.543	ug/L	99
6) Bromomethane	1.53	94	63256	51.486	ug/L	98
8) Chloroethane	1.60	64	63496	53.108	ug/L	99
9) Trichlorofluoromethane	1.77	101	160862	53.153	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	85258	59.289	ug/L	97
12) 1,1-Dichloroethene	2.13	96	79713	53.634	ug/L	96
13) Acetone	2.20	43	122868	137.911	ug/L	98
14) Carbon disulfide	2.31	76	209923	49.188	ug/L	100
15) Methyl Acetate	2.45	43	91178	52.818	ug/L	97
16) Methylene chloride	2.52	84	89450	50.629	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	80920	50.188	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	278592	49.155	ug/L	98
19) 1,1-Dichloroethane	3.21	63	160602	50.839	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	89661	50.321	ug/L	98
22) 2-Butanone	4.00	43	135327	119.662	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	48032	48.959	ug/L	96
25) Chloroform	4.40	83	169948	50.179	ug/L	97
27) 1,2-Dichloroethane	5.15	62	141111	49.015	ug/L	100
29) Cyclohexane	4.70	56	129647	55.859	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	156132	49.637	ug/L	98
31) Carbon tetrachloride	4.85	117	135355	49.837	ug/L	99
33) Benzene	5.12	78	343346	50.940	ug/L	100
34) Trichloroethene	5.94	95	94848	51.781	ug/L	99
35) Methylcyclohexane	6.15	83	122689	55.339	ug/L	96
37) 1,2-Dichloropropane	6.19	63	93090	51.750	ug/L	98
38) Bromodichloromethane	6.53	83	129077	49.860	ug/L	98
39) cis-1,3-Dichloropropene	7.04	75	143748	49.942	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	253559	104.926	ug/L	99
42) Toluene	7.41	91	377162	51.769	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	151134	51.241	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	88402	49.721	ug/L	97
46) Tetrachloroethene	7.99	164	75675	50.633	ug/L	98
48) 2-Hexanone	8.15	43	201507	110.295	ug/L	99
49) Dibromochloromethane	8.26	129	103949	49.024	ug/L	99
50) 1,2-Dibromoethane	8.37	107	91610	49.710	ug/L	98
51) Chlorobenzene	8.90	112	246157	50.511	ug/L	99
52) Ethylbenzene	9.03	91	423695	52.711	ug/L	98
53) m,p-Xylene	9.16	106	156890	52.135	ug/L	99
54) o-Xylene	9.56	106	152599	51.445	ug/L	97
55) Styrene	9.58	104	278088	52.668	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	131533	48.900	ug/L	99
59) Bromoform	9.75	173	78500	47.177	ug/L	99
60) Isopropylbenzene	9.95	105	417497	53.132	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	113014	48.520	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	346919	53.009	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	336705	52.579	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	207108	50.389	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	214148	50.361	ug/L	99
67) 1,2-Dichlorobenzene	11.66	146	207691	49.393	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	31918	46.972	ug/L	96
69) 1,3,5-Trichlorobenzene	12.67	180	148679	50.399	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	137840	49.658	ug/L	99
71) Naphthalene	13.52	128	384580	49.125	ug/L	100
72) 1,2,3-Trichlorobenzene	13.76	180	137823	50.087	ug/L	100

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

