

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122320\
 Data File : VV019824.D
 Acq On : 23 Dec 2020 20:11
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Manual Integrations
 APPROVED

MMDadoda
 12/26/2020 1:35:31 PM

Quant Time: Dec 24 00:36:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 22:04:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	648744	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	618140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	298191	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	249203	53.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.14%
7) Chloroethane-d5	1.57	69	196415	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.06%
11) 1,1-Dichloroethene-d2	2.11	63	453873	52.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.14%
21) 2-Butanone-d5	3.89	46	374652	148.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	148.17%#
24) Chloroform-d	4.35	84	454644	54.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.46%
26) 1,2-Dichloroethane-d4	5.04	65	308097	56.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.46%
32) Benzene-d6	5.05	84	881734	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.96%
36) 1,2-Dichloropropane-d6	6.07	67	283508	54.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.80%
41) Toluene-d8	7.32	98	771306	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%
43) trans-1,3-Dichloropropene-	7.62	79	137867	46.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.86%
47) 2-Hexanone-d5	8.09	63	246686	121.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.71%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	376912	53.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.92%
64) 1,2-Dichlorobenzene-d4	11.63	152	286292	51.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	215391	41.141	ug/L	99
3) Chloromethane	1.24	50	262704	47.207	ug/L	99
5) Vinyl chloride	1.31	62	259946	46.569	ug/L	99
6) Bromomethane	1.52	94	149646	44.641	ug/L	99
8) Chloroethane	1.59	64	161292	47.905	ug/L	99
9) Trichlorofluoromethane	1.75	101	321612	47.158	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	178736	47.457	ug/L	97
12) 1,1-Dichloroethene	2.12	96	177912m	46.033	ug/L	
13) Acetone	2.18	43	256549	119.099	ug/L	98
14) Carbon disulfide	2.30	76	499079	39.301	ug/L	99
15) Methyl Acetate	2.43	43	276576	58.932	ug/L	97
16) Methylene chloride	2.51	84	230069	50.773	ug/L	96
17) trans-1,2-Dichloroethene	2.76	96	199487	47.092	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	730289	49.336	ug/L	99
19) 1,1-Dichloroethane	3.19	63	427348	52.035	ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	229046	49.186	ug/L #	95
22) 2-Butanone	3.97	43	386934	122.458	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	112497	49.099	ug/L	93
25) Chloroform	4.38	83	426483	51.996	ug/L	98
27) 1,2-Dichloroethane	5.14	62	350866	51.635	ug/L	99
29) Cyclohexane	4.68	56	337281	44.520	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	358258	46.223	ug/L	99
31) Carbon tetrachloride	4.83	117	286591	43.801	ug/L	99
33) Benzene	5.11	78	885407	49.011	ug/L	100
34) Trichloroethene	5.92	95	227282	47.626	ug/L	98
35) Methylcyclohexane	6.14	83	325153	44.849	ug/L	99
37) 1,2-Dichloropropane	6.18	63	247922	52.550	ug/L	100
38) Bromodichloromethane	6.51	83	312112	47.310	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	373785	47.703	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	764349	112.298	ug/L	98
42) Toluene	7.39	91	908349	47.706	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	361898	45.613	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	224282	50.061	ug/L	97
46) Tetrachloroethene	7.98	164	146851	44.471	ug/L	98
48) 2-Hexanone	8.14	43	585934	113.452	ug/L	97
49) Dibromochloromethane	8.25	129	225324	45.925	ug/L	99
50) 1,2-Dibromoethane	8.36	107	233217	49.433	ug/L	99
51) Chlorobenzene	8.89	112	583077	47.947	ug/L	100
52) Ethylbenzene	9.02	91	1030654	47.510	ug/L	100
53) m,p-Xylene	9.14	106	372227	45.928	ug/L	97
54) o-xylene	9.55	106	372540	46.896	ug/L	99
55) Styrene	9.57	104	660367	47.696	ug/L	99
56) Isopropylbenzene	9.94	105	988316	46.700	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	368797	51.188	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	315818	53.818	ug/L	99
61) Bromoform	9.74	173	143139	43.383	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	437659	47.838	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	444570	47.988	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	448911	49.657	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.43	75	89462	47.408	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	314553	48.663	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	294610	48.746	ug/L	99
69) Naphthalene	13.51	128	997079	47.512	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	292206	49.474	ug/L	99

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

