

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122120\
 Data File : VV019786.D
 Acq On : 21 Dec 2020 19:30
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Quant Time: Dec 22 00:27:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 22 00:24:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	703567	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	667430	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	320989	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	196981	39.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.08%
7) Chloroethane-d5	1.57	69	171639	43.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.26%
11) 1,1-Dichloroethene-d2	2.11	63	399267	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.28%
21) 2-Butanone-d5	3.90	46	385817	140.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	140.70%#
24) Chloroform-d	4.35	84	434682	47.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.62%
26) 1,2-Dichloroethane-d4	5.04	65	292562	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
32) Benzene-d6	5.05	84	810767	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.10%
36) 1,2-Dichloropropane-d6	6.07	67	266905	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.74%
41) Toluene-d8	7.32	98	711052	44.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.74%
43) trans-1,3-Dichloropropene-	7.62	79	132249	41.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.40%
47) 2-Hexanone-d5	8.09	63	254786	116.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.42%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	378212	50.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.30%
64) 1,2-Dichlorobenzene-d4	11.63	152	275406	45.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	231836	40.831	ug/L	100
3) Chloromethane	1.24	50	278683	46.176	ug/L	98
5) Vinyl chloride	1.31	62	271775	44.894	ug/L	99
6) Bromomethane	1.52	94	163038	44.846	ug/L	100
8) Chloroethane	1.59	64	172377	47.208	ug/L	99
9) Trichlorofluoromethane	1.76	101	326170	44.100	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	183888	45.020	ug/L	98
12) 1,1-Dichloroethene	2.12	96	187456	44.724	ug/L #	72
13) Acetone	2.19	43	269784	115.484	ug/L	98
14) Carbon disulfide	2.30	76	536446	38.951	ug/L	100
15) Methyl Acetate	2.44	43	286244	56.240	ug/L	98
16) Methylene chloride	2.51	84	240781	48.996	ug/L	97
17) trans-1,2-Dichloroethene	2.76	96	208162	45.311	ug/L	96
18) Methyl tert-butyl Ether	2.77	73	756535	47.127	ug/L	99
19) 1,1-Dichloroethane	3.19	63	437549	49.126	ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	236706	46.870	ug/L #	96
22) 2-Butanone	3.98	43	402397	117.428	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	117409	47.249	ug/L	95
25) Chloroform	4.38	83	433264	48.707	ug/L	99
27) 1,2-Dichloroethane	5.14	62	358135	48.598	ug/L	99
29) Cyclohexane	4.68	56	344148	42.071	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	369587	44.163	ug/L	99
31) Carbon tetrachloride	4.83	117	294280	41.655	ug/L	99
33) Benzene	5.10	78	916586	46.990	ug/L	100
34) Trichloroethene	5.92	95	231917	45.008	ug/L	98
35) Methylcyclohexane	6.14	83	336962	43.046	ug/L	99
37) 1,2-Dichloropropane	6.18	63	252248	49.519	ug/L	99
38) Bromodichloromethane	6.51	83	324112	45.501	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	379757	44.886	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	794406	108.094	ug/L	98
42) Toluene	7.39	91	935640	45.511	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	374775	43.748	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	230532	47.656	ug/L	98
46) Tetrachloroethene	7.98	164	150022	42.076	ug/L	96
48) 2-Hexanone	8.14	43	603086	108.149	ug/L	99
49) Dibromochloromethane	8.25	129	234241	44.216	ug/L	99
50) 1,2-Dibromoethane	8.36	107	236723	46.471	ug/L	97
51) Chlorobenzene	8.89	112	599060	45.623	ug/L	99
52) Ethylbenzene	9.02	91	1049082	44.788	ug/L	100
53) m,p-Xylene	9.14	106	385523	44.055	ug/L	99
54) o-xylene	9.55	106	384162	44.788	ug/L	100
55) Styrene	9.57	104	674908	45.146	ug/L	100
56) Isopropylbenzene	9.94	105	1012831	44.324	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	382550	49.176	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	325941	51.442	ug/L	99
61) Bromoform	9.74	173	152422	42.915	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	446850	45.373	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	453020	45.427	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	456543	46.914	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.44	75	96181	47.349	ug/L	92
67) 1,3,5-Trichlorobenzene	12.65	180	318990	45.844	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	301548	46.350	ug/L	99
69) Naphthalene	13.51	128	1049955	46.478	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	300337	47.239	ug/L	99

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

