

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082120\
 Data File : VV018072.D
 Acq On : 21 Aug 2020 10:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Aug 22 00:01:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 21 14:14:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	296151	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	292508	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	160401	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	106373	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.16%
7) Chloroethane-d5	1.58	69	89552	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.88%
11) 1,1-Dichloroethene-d2	2.12	63	204256	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
21) 2-Butanone-d5	3.90	46	125369	84.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.71%
24) Chloroform-d	4.37	84	193077	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
26) 1,2-Dichloroethane-d4	5.05	65	124961	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.07	84	382759	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.09	67	121489	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.20%
41) Toluene-d8	7.33	98	353941	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%
43) trans-1,3-Dichloropropene-	7.64	79	59791	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.04%
47) 2-Hexanone-d5	8.10	63	72489	85.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.71%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	150349	43.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	145488	46.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97983	42.855	ug/L 100
3) Chloromethane	1.25	50	111433	41.956	ug/L 99
5) Vinyl chloride	1.32	62	116079	44.112	ug/L 98
6) Bromomethane	1.53	94	67825	43.125	ug/L 99
8) Chloroethane	1.60	64	75022	44.667	ug/L 100
9) Trichlorofluoromethane	1.77	101	167443	44.545	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98949	47.145	ug/L 99
12) 1,1-Dichloroethene	2.13	96	91076	45.846	ug/L 98
13) Acetone	2.19	43	159416	104.288	ug/L 99
14) Carbon disulfide	2.31	76	242979	44.439	ug/L 99
15) Methyl Acetate	2.44	43	104662	42.427	ug/L 99
16) Methylene chloride	2.52	84	107815	42.600	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	93894	45.980	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	316629	46.884	ug/L 100
19) 1,1-Dichloroethane	3.21	63	188522	45.913	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	105735	47.118	ug/L 97
22) 2-Butanone	3.99	43	170344	99.334	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54888	46.821	ug/L	98
25) Chloroform	4.40	83	196330	46.878	ug/L	100
27) 1,2-Dichloroethane	5.15	62	153156	45.944	ug/L	100
29) Cyclohexane	4.70	56	161343	45.702	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	166190	46.363	ug/L	98
31) Carbon tetrachloride	4.85	117	142107	47.622	ug/L	99
33) Benzene	5.12	78	411583	45.480	ug/L	100
34) Trichloroethene	5.94	95	109857	45.925	ug/L	97
35) Methylcyclohexane	6.15	83	161915	45.520	ug/L	99
37) 1,2-Dichloropropane	6.19	63	111576	45.210	ug/L	100
38) Bromodichloromethane	6.53	83	144436	47.117	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	172947	49.432	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	280508	86.945	ug/L	100
42) Toluene	7.41	91	436724	46.247	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	167914	50.583	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	104011	45.508	ug/L	99
46) Tetrachloroethene	7.99	164	83777	47.754	ug/L	98
48) 2-Hexanone	8.15	43	244167	93.852	ug/L	99
49) Dibromochloromethane	8.26	129	112174	50.283	ug/L	99
50) 1,2-Dibromoethane	8.37	107	107245	45.353	ug/L	98
51) Chlorobenzene	8.90	112	283734	46.718	ug/L	98
52) Ethylbenzene	9.03	91	485356	47.138	ug/L	100
53) m,p-Xylene	9.16	106	182069	48.077	ug/L	98
54) o-xylene	9.56	106	177026	47.303	ug/L	98
55) Styrene	9.58	104	316366	49.363	ug/L	99
56) Isopropylbenzene	9.95	105	481447	48.765	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	154744	43.479	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	132005	43.309	ug/L	100
61) Bromoform	9.75	173	77779	51.247	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	236109	46.290	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	244147	46.595	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	238675	45.462	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	32183	41.606	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	191333	49.380	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	174560	51.241	ug/L	99
69) Naphthalene	13.52	128	442004	47.074	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	173293	50.022	ug/L	99

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

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