

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019711.D
 Acq On : 18 Dec 2020 19:52
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Manual Integrations
 APPROVED

SAM
 12/21/2020 5:37:22 PM

Quant Time: Dec 19 07:03:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 07:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	594331	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	562444	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	287861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	182074	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.44%
7) Chloroethane-d5	1.57	69	151917	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.11	63	355306	44.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.84%
21) 2-Butanone-d5	3.89	46	291167	125.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.70%
24) Chloroform-d	4.35	84	363784	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	5.04	65	241178	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
32) Benzene-d6	5.05	84	682762	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.04%
36) 1,2-Dichloropropane-d6	6.07	67	222657	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.76%
41) Toluene-d8	7.32	98	605883	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.62	79	112559	42.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.22%
47) 2-Hexanone-d5	8.09	63	208747	113.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.19%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	304184	47.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.72%
64) 1,2-Dichlorobenzene-d4	11.63	152	235892	43.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	209968	43.777	ug/L 99
3) Chloromethane	1.24	50	234046	45.907	ug/L 98
5) Vinyl chloride	1.31	62	232143	45.396	ug/L 99
6) Bromomethane	1.52	94	138642	45.145	ug/L 99
8) Chloroethane	1.59	64	147446	47.802	ug/L 98
9) Trichlorofluoromethane	1.76	101	288976	46.252	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	166741	48.325	ug/L 99
12) 1,1-Dichloroethene	2.12	96	162673m	45.944	ug/L
13) Acetone	2.19	43	199619	101.154	ug/L 98
14) Carbon disulfide	2.30	76	478713	41.148	ug/L 100
15) Methyl Acetate	2.44	43	215681	50.164	ug/L 98
16) Methylene chloride	2.51	84	196592	47.357	ug/L 98
17) trans-1,2-Dichloroethene	2.76	96	176760	45.547	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	626905	46.230	ug/L 99
19) 1,1-Dichloroethane	3.19	63	358369	47.631	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	198288	46.479	ug/L # 97
22) 2-Butanone	3.98	43	295923	102.229	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	98656	47.000	ug/L	98
25) Chloroform	4.38	83	358907	47.764	ug/L	97
27) 1,2-Dichloroethane	5.13	62	294341	47.282	ug/L	100
29) Cyclohexane	4.68	56	312188	45.288	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	310051	43.964	ug/L	99
31) Carbon tetrachloride	4.83	117	251944	42.319	ug/L	98
33) Benzene	5.10	78	761939	46.353	ug/L	100
34) Trichloroethene	5.92	95	196588	45.273	ug/L	99
35) Methylcyclohexane	6.14	83	309572	46.928	ug/L	99
37) 1,2-Dichloropropane	6.18	63	205161	47.793	ug/L	100
38) Bromodichloromethane	6.51	83	268969	44.808	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	323760	45.411	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	593299	95.799	ug/L	98
42) Toluene	7.39	91	791365	45.678	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	313803	43.468	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	190217	46.662	ug/L	99
46) Tetrachloroethene	7.98	164	131692	43.830	ug/L	98
48) 2-Hexanone	8.14	43	455773	96.988	ug/L	98
49) Dibromochloromethane	8.25	129	196498	44.015	ug/L	99
50) 1,2-Dibromoethane	8.35	107	198927	46.340	ug/L	99
51) Chlorobenzene	8.88	112	509053	46.005	ug/L	100
52) Ethylbenzene	9.02	91	896149	45.400	ug/L	99
53) m,p-Xylene	9.14	106	325735	44.171	ug/L	99
54) o-xylene	9.55	106	325756	45.068	ug/L	100
55) Styrene	9.56	104	574733	45.622	ug/L	99
56) Isopropylbenzene	9.94	105	872657	45.318	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	306498	46.754	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	255405	47.833	ug/L	99
61) Bromoform	9.74	173	125972	39.550	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	382953	43.360	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	392339	43.870	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	388103	44.471	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	72728	39.923	ug/L	91
67) 1,3,5-Trichlorobenzene	12.65	180	278053	44.560	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	256859	44.025	ug/L	99
69) Naphthalene	13.51	128	845186	41.720	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	252238	44.240	ug/L	99

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

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