

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122220\
 Data File : VV019804.D
 Acq On : 22 Dec 2020 19:10
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Manual Integrations
 APPROVED

MMDadoda
 12/24/2020 2:35:16 PM

Quant Time: Dec 23 02:38:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 23 01:05:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	716036	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	671903	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.26	152	321659	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	184859	36.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.00%
7) Chloroethane-d5	1.57	69	162676	40.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.34%
11) 1,1-Dichloroethene-d2	2.11	63	384996	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.80%
21) 2-Butanone-d5	3.89	46	382587	137.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	137.09%#
24) Chloroform-d	4.35	84	425092	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
26) 1,2-Dichloroethane-d4	5.04	65	286835	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.05	84	792561	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
36) 1,2-Dichloropropane-d6	6.07	67	262842	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.64%
41) Toluene-d8	7.32	98	689189	42.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.44%
43) trans-1,3-Dichloropropene-	7.62	79	127845	40.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.08%
47) 2-Hexanone-d5	8.09	63	250556	113.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.73%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	375041	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	11.63	152	269459	44.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.62%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	233814	40.463	ug/L	100
3) Chloromethane	1.24	50	285682	46.511	ug/L	98
5) Vinyl chloride	1.31	62	275054	44.645	ug/L	99
6) Bromomethane	1.52	94	161725	43.711	ug/L	99
8) Chloroethane	1.59	64	173782	46.764	ug/L	99
9) Trichlorofluoromethane	1.75	101	333640	44.324	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	185630	44.656	ug/L	97
12) 1,1-Dichloroethene	2.12	96	187269m	43.901	ug/L	
13) Acetone	2.19	43	267344	112.447	ug/L	99
14) Carbon disulfide	2.30	76	533470	38.061	ug/L	99
15) Methyl Acetate	2.44	43	287053	55.416	ug/L	99
16) Methylene chloride	2.51	84	241358	48.258	ug/L	95
17) trans-1,2-Dichloroethene	2.76	96	210766	45.078	ug/L	98
18) Methyl tert-butyl Ether	2.77	73	772129	47.261	ug/L	99
19) 1,1-Dichloroethane	3.19	63	448622	49.492	ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	244744	47.617	ug/L #	99
22) 2-Butanone	3.98	43	407161	116.749	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	121773	48.152	ug/L	96
25) Chloroform	4.38	83	444144	49.060	ug/L	99
27) 1,2-Dichloroethane	5.14	62	363871	48.516	ug/L	98
29) Cyclohexane	4.68	56	353446	42.920	ug/L	97
30) 1,1,1-Trichloroethane	4.61	97	376407	44.678	ug/L	99
31) Carbon tetrachloride	4.83	117	296734	41.723	ug/L	99
33) Benzene	5.10	78	938422	47.789	ug/L	100
34) Trichloroethene	5.92	95	238974	46.069	ug/L	99
35) Methylcyclohexane	6.14	83	338937	43.010	ug/L	98
37) 1,2-Dichloropropane	6.18	63	258152	50.340	ug/L	99
38) Bromodichloromethane	6.51	83	325509	45.393	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	389816	45.769	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	794876	107.438	ug/L	97
42) Toluene	7.39	91	955098	46.148	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	376217	43.624	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	232560	47.755	ug/L	98
46) Tetrachloroethene	7.98	164	153283	42.705	ug/L	99
48) 2-Hexanone	8.14	43	611472	108.923	ug/L	97
49) Dibromochloromethane	8.25	129	235875	44.228	ug/L	98
50) 1,2-Dibromoethane	8.36	107	240935	46.982	ug/L	100
51) Chlorobenzene	8.89	112	608301	46.019	ug/L	99
52) Ethylbenzene	9.02	91	1074958	45.587	ug/L	98
53) m,p-Xylene	9.14	106	387908	44.033	ug/L	99
54) o-xylene	9.55	106	387573	44.885	ug/L	99
55) Styrene	9.57	104	684849	45.506	ug/L	99
56) Isopropylbenzene	9.94	105	1033453	44.925	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	383674	48.992	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	325752	51.070	ug/L	98
61) Bromoform	9.74	173	148286	41.664	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	453740	45.977	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	460045	46.035	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	467456	47.936	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	92017	45.204	ug/L	93
67) 1,3,5-Trichlorobenzene	12.65	180	329502	47.257	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	304777	46.749	ug/L	100
69) Naphthalene	13.51	128	1037705	45.840	ug/L	99
70) 1,2,3-Trichlorobenzene	13.75	180	302514	47.483	ug/L	99

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

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