

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121919\
 Data File : VV014142.D
 Acq On : 19 Dec 2019 20:11
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Quant Time: Dec 20 07:18:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 07:12:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	383282	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	367653	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	197675	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139388	5.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.60%
7) Chloroethane-d5	1.58	69	120756	5.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.80%
11) 1,1-Dichloroethene-d2	2.13	63	229309	5.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.80%
20) 2-Butanone-d5	3.92	46	278222	56.42	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.84%
24) Chloroform-d	4.40	84	254249	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.08	65	119192	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.10	84	478367	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.11	67	145694	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	437821	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.66	79	54596	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.13	63	205185	50.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	102057	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	159294	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	127667	5.001	ug/L	95
3) Chloromethane	1.26	50	132060	5.891	ug/L	97
5) Vinyl chloride	1.33	62	127342	5.561	ug/L	99
6) Bromomethane	1.53	94	63933	5.303	ug/L	97
8) Chloroethane	1.60	64	81069	5.875	ug/L	98
9) Trichlorofluoromethane	1.77	101	196113	5.516	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	114180	5.404	ug/L	97
12) 1,1-Dichloroethene	2.14	96	98175	5.328	ug/L	97
13) Acetone	2.18	43	193711	56.170	ug/L #	56
14) Carbon disulfide	2.32	76	214512	5.042	ug/L	99
15) Methyl Acetate	2.46	43	47029	6.091	ug/L	96
16) Methylene chloride	2.53	84	150028	5.944	ug/L	92
17) Methyl tert-butyl Ether	2.80	73	258268	5.121	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	106242	5.105	ug/L	96
19) 1,1-Dichloroethane	3.23	63	237068	5.707	ug/L	99
21) 2-Butanone	4.00	43	307980	59.082	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	127542	5.227	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	58215	5.429	ug/L	93
25) Chloroform	4.42	83	246537	5.598	ug/L	99
27) 1,2-Dichloroethane	5.18	62	138690	5.502	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	202699	5.390	ug/L	99
30) Cyclohexane	4.73	56	157878	5.025	ug/L	96
31) Carbon tetrachloride	4.87	117	177094	5.352	ug/L	99
33) Benzene	5.14	78	481140	5.335	ug/L	100
34) Trichloroethene	5.96	95	122367	4.919	ug/L	96
35) Methylcyclohexane	6.17	83	155893	4.696	ug/L	96
37) 1,2-Dichloropropane	6.22	63	126050	5.438	ug/L	99
38) Bromodichloromethane	6.55	83	170018	5.559	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	158538	4.820	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	748174	55.321	ug/L	96
42) Toluene	7.43	91	505704	5.228	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	124920	4.853	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	86902	5.261	ug/L	96
47) Tetrachloroethene	8.02	164	106290	4.920	ug/L	96
48) 2-Hexanone	8.18	43	526285	54.518	ug/L	98
49) Dibromochloromethane	8.29	129	108252	5.110	ug/L	100
50) 1,2-Dibromoethane	8.39	107	76395	5.107	ug/L	99
51) Chlorobenzene	8.92	112	325009	4.829	ug/L	97
52) Ethylbenzene	9.05	91	522912	4.976	ug/L	97
53) m,p-xylene	9.18	106	202055	5.044	ug/L	98
54) o-xylene	9.58	106	198893	5.085	ug/L	100
55) Styrene	9.60	104	347963	5.153	ug/L	99
56) Isopropylbenzene	9.97	105	533746	5.008	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	103236	5.688	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	78698	5.531	ug/L	100
61) Bromoform	9.77	173	63861	5.133	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	286934	4.997	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	279757	4.786	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	263439	4.943	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	14892	4.808	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	228796	4.717	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	177793	4.469	ug/L	99
69) Naphthalene	13.55	128	220684	4.074	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	171046	4.720	ug/L	98

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

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