

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102119\
 Data File : VV013253.D
 Acq On : 21 Oct 2019 19:21
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 9:00:39 AM

Quant Time: Oct 22 03:42:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 02:50:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	499137	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	517133	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	330576	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	183147	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.58	69	149362	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.13	63	325250	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	3.95	46	380760	53.88	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.76%
24) Chloroform-d	4.40	84	421564	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.08	65	196635	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.10	84	853489	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.12	67	250280	4.97	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.36	98	817027	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	90536	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.13	63	323730	47.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	182194	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	304356	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	273375	4.954	ug/L 99
3) Chloromethane	1.25	50	241545	5.044	ug/L 99
5) Vinyl chloride	1.32	62	245762	5.102	ug/L 100
6) Bromomethane	1.53	94	136378	5.026	ug/L 98
8) Chloroethane	1.60	64	139389	4.856	ug/L 98
9) Trichlorofluoromethane	1.77	101	341546	4.900	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	205554	4.991	ug/L 97
12) 1,1-Dichloroethene	2.14	96	190977	4.867	ug/L 96
13) Acetone	2.21	43	145152m	39.726	ug/L
14) Carbon disulfide	2.31	76	546837	4.854	ug/L 100
15) Methyl Acetate	2.46	43	66542	5.385	ug/L 99
16) Methylene chloride	2.53	84	250024	4.239	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	493950	5.435	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	249985	5.404	ug/L 92
19) 1,1-Dichloroethane	3.23	63	440304	5.856	ug/L 96
21) 2-Butanone	4.03	43	418296	51.140	ug/L 86
22) cis-1,2-Dichloroethene	3.96	96	260428	5.259	ug/L # 87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	112900	4.805	ug/L	99
25) Chloroform	4.42	83	455680	4.649	ug/L	98
27) 1,2-Dichloroethane	5.18	62	255315	4.877	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	382317	5.002	ug/L	99
30) Cyclohexane	4.72	56	394339	4.970	ug/L	98
31) Carbon tetrachloride	4.87	117	343309	5.006	ug/L	100
33) Benzene	5.14	78	1009724	5.113	ug/L	100
34) Trichloroethene	5.96	95	262214	4.949	ug/L	97
35) Methylcyclohexane	6.17	83	417955	5.127	ug/L	98
37) 1,2-Dichloropropane	6.22	63	242931	5.065	ug/L	99
38) Bromodichloromethane	6.55	83	302990	4.880	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	330828	4.897	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1187857	48.445	ug/L	98
42) Toluene	7.43	91	1084358	5.229	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	249454	4.874	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	165170	4.933	ug/L	98
47) Tetrachloroethene	8.02	164	235566	4.896	ug/L	98
48) 2-Hexanone	8.18	43	850022	48.562	ug/L	97
49) Dibromochloromethane	8.29	129	205882	4.882	ug/L	99
50) 1,2-Dibromoethane	8.39	107	154558	4.844	ug/L	99
51) Chlorobenzene	8.92	112	689262	5.078	ug/L	99
52) Ethylbenzene	9.05	91	1130380	5.229	ug/L	99
53) m,p-xylene	9.18	106	443496	5.359	ug/L	98
54) o-xylene	9.58	106	412697	5.253	ug/L	97
55) Styrene	9.60	104	729778	5.466	ug/L	99
56) Isopropylbenzene	9.97	105	1111169	5.362	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	189760	4.930	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	145269	5.078	ug/L	97
61) Bromoform	9.77	173	119741	4.751	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	575897	4.947	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	580622	4.926	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	526877	4.914	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	26863	4.412	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	415867	4.832	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	354170	4.704	ug/L	99
69) Naphthalene	13.55	128	495369	4.769	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	346011	4.948	ug/L	100

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

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