

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
 Data File : VV014323.D
 Acq On : 16 Jan 2020 16:38
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00590

Quant Time: Jan 17 05:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 05:31:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	816684	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	746159	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	355023	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	231085	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.59	69	192459	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.14	63	391194	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	3.95	46	572090	41.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.36%
24) Chloroform-d	4.40	84	522113	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.08	65	247952	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.10	84	1073667	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.12	67	332808	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.36	98	952617	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.66	79	135044	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.13	63	573901	44.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	235718	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	309564	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	289734	4.705	ug/L 98
3) Chloromethane	1.26	50	312240	5.102	ug/L 97
5) Vinyl chloride	1.32	62	301348	5.272	ug/L 100
6) Bromomethane	1.54	94	168321	5.190	ug/L 98
8) Chloroethane	1.60	64	162851	5.071	ug/L 97
9) Trichlorofluoromethane	1.77	101	379299	5.621	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	204138	5.585	ug/L 97
12) 1,1-Dichloroethene	2.14	96	195966	5.371	ug/L 92
13) Acetone	2.21	43	301203	31.863	ug/L 98
14) Carbon disulfide	2.32	76	804703	4.970	ug/L 99
15) Methyl Acetate	2.47	43	102575	4.661	ug/L 99
16) Methylene chloride	2.54	84	315601	5.313	ug/L 91
17) Methyl tert-butyl Ether	2.81	73	663274	4.912	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	284281	5.183	ug/L 93
19) 1,1-Dichloroethane	3.23	63	562290	5.231	ug/L 98
21) 2-Butanone	4.03	43	627860	44.279	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	319046	5.307	ug/L # 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	117510	5.141	ug/L	90
25) Chloroform	4.43	83	546615	5.311	ug/L	99
27) 1,2-Dichloroethane	5.18	62	314475	5.108	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	468803	5.278	ug/L	98
30) Cyclohexane	4.73	56	545649	5.564	ug/L	97
31) Carbon tetrachloride	4.87	117	400113	5.260	ug/L	99
33) Benzene	5.15	78	1233150	5.366	ug/L	100
34) Trichloroethene	5.96	95	312018	5.284	ug/L	97
35) Methylcyclohexane	6.17	83	547008	5.665	ug/L	96
37) 1,2-Dichloropropane	6.22	63	307008	5.293	ug/L	98
38) Bromodichloromethane	6.55	83	385102	5.149	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	484487	5.159	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1754402	47.983	ug/L	99
42) Toluene	7.43	91	1302056	5.368	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	365164	5.064	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	194096	5.238	ug/L	98
47) Tetrachloroethene	8.02	164	218350	5.412	ug/L	98
48) 2-Hexanone	8.18	43	1311875	51.874	ug/L	98
49) Dibromochloromethane	8.29	129	232645	4.966	ug/L	100
50) 1,2-Dibromoethane	8.39	107	184220	5.134	ug/L	94
51) Chlorobenzene	8.92	112	787894	5.282	ug/L	98
52) Ethylbenzene	9.05	91	1491878	5.498	ug/L	99
53) m,p-xylene	9.18	106	554687	5.541	ug/L	99
54) o-xylene	9.58	106	538559	5.471	ug/L	96
55) Styrene	9.60	104	898225	5.386	ug/L	97
56) Isopropylbenzene	9.97	105	1440915	5.612	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	241067	5.276	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	177142	5.126	ug/L	98
61) Bromoform	9.77	173	116232	4.830	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	595779	5.368	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	591031	5.355	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	531944	5.307	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	40116	4.354	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	429562	5.322	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	370611	5.235	ug/L	98
69) Naphthalene	13.55	128	692991	4.818	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	323207	5.188	ug/L	99

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

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