

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091519\
 Data File : VV012823.D
 Acq On : 16 Sep 2019 03:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Manual Integrations
 APPROVED

MMDadoda
 9/17/2019 11:25:14 AM

Quant Time: Sep 16 09:09:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 08:14:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	418140	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	417222	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	210687	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	167795	5.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.40%
7) Chloroethane-d5	1.58	69	136377	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.13	63	268640	5.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.40%
20) 2-Butanone-d5	3.99	46	327076	47.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.84%
24) Chloroform-d	4.40	84	283939	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.08	65	137159	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.09	84	565114	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
36) 1,2-Dichloropropane-d6	6.12	67	170504	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.36	98	522552	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
43) trans-1,3-Dichloropropene-	7.66	79	53397	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.14	63	196178	47.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99359	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	176725	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	150382	4.264	ug/L 98
3) Chloromethane	1.25	50	155660	4.372	ug/L 99
5) Vinyl chloride	1.32	62	161353	4.440	ug/L 97
6) Bromomethane	1.53	94	87944	4.415	ug/L 97
8) Chloroethane	1.60	64	97818	4.553	ug/L 97
9) Trichlorofluoromethane	1.77	101	217929	4.780	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	125378	4.597	ug/L 99
12) 1,1-Dichloroethene	2.14	96	118297	4.555	ug/L # 82
13) Acetone	2.27	43	177701m	44.418	ug/L
14) Carbon disulfide	2.31	76	287028	4.109	ug/L 99
15) Methyl Acetate	2.48	43	56308	5.231	ug/L 96
16) Methylene chloride	2.53	84	128664	4.052	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	296850	4.871	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	126929	4.346	ug/L 97
19) 1,1-Dichloroethane	3.22	63	258200	4.697	ug/L 98
21) 2-Butanone	4.07	43	342695	49.951	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	137672	4.340	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	60949	4.496	ug/L	98
25) Chloroform	4.42	83	268134	4.429	ug/L	98
27) 1,2-Dichloroethane	5.18	62	154848	4.879	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	205311	4.471	ug/L	99
30) Cyclohexane	4.72	56	189358	4.142	ug/L	99
31) Carbon tetrachloride	4.87	117	178162	4.405	ug/L	99
33) Benzene	5.14	78	556464	4.563	ug/L	100
34) Trichloroethene	5.96	95	151781	4.504	ug/L	97
35) Methylcyclohexane	6.17	83	193120	4.055	ug/L	98
37) 1,2-Dichloropropane	6.22	63	138981	4.576	ug/L	98
38) Bromodichloromethane	6.55	83	173235	4.404	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	164484	4.128	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	825884	49.053	ug/L	99
42) Toluene	7.43	91	582974	4.602	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	126958	4.225	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	97344	4.602	ug/L	98
47) Tetrachloroethene	8.02	164	113361	4.286	ug/L	99
48) 2-Hexanone	8.19	43	644258	53.477	ug/L	98
49) Dibromochloromethane	8.29	129	110193	4.379	ug/L	96
50) 1,2-Dibromoethane	8.40	107	85463	4.559	ug/L	99
51) Chlorobenzene	8.92	112	370686	4.451	ug/L	100
52) Ethylbenzene	9.05	91	602584	4.423	ug/L	100
53) m,p-xylene	9.18	106	229245	4.451	ug/L	99
54) o-xylene	9.59	106	219374	4.447	ug/L	100
55) Styrene	9.60	104	387223	4.720	ug/L	99
56) Isopropylbenzene	9.97	105	584002	4.469	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	89890	4.262	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	83750	4.675	ug/L	100
61) Bromoform	9.77	173	58342	4.153	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	288410	4.419	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	284345	4.316	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	267922	4.359	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	11837	3.696	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	202135	4.089	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	154210	3.940	ug/L	99
69) Naphthalene	13.55	128	220317	3.724	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	155437	4.212	ug/L	99

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

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