

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091818\
 Data File : VR025756.D
 Acq On : 18 Sep 2018 13:34
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00507

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 11:58:54 AM

Quant Time: Sep 19 09:19:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 16:10:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	715400	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	636593	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	271428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	144646	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	2.62	69	125354	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	3.63	63	413058	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	6.59	46	152851	49.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.92%
24) Chloroform-d	7.20	84	403163	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	7.90	65	140510	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	7.85	84	913539	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	8.90	67	255797	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	9.97	98	881923	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	10.24	79	56476	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	10.59	63	195648	57.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.82%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	120429	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	186890	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	185588	4.671 ug/L	99
3) Chloromethane	2.01	50	191824	4.205 ug/L	98
5) Vinyl chloride	2.17	62	203353	4.409 ug/L	87
6) Bromomethane	2.52	94	144265	4.456 ug/L	95
8) Chloroethane	2.66	64	113169	4.001 ug/L	99
9) Trichlorofluoromethane	2.94	101	401508m	4.711 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	222299	4.692 ug/L	98
12) 1,1-Dichloroethene	3.65	96	211535	4.611 ug/L	85
13) Acetone	3.70	43	99792	53.916 ug/L	95
14) Carbon disulfide	3.96	76	480519	4.384 ug/L	99
15) Methyl Acetate	4.19	43	30100	4.006 ug/L #	65
16) Methylene chloride	4.40	84	173804	4.163 ug/L	95
17) Methyl tert-butyl Ether	4.90	73	283222	4.859 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	300926	5.215 ug/L	94
19) 1,1-Dichloroethane	5.69	63	455058	4.881 ug/L	98
21) 2-Butanone	6.69	43	244170	55.825 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	260759	5.175 ug/L #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	82720	4.886	uq/L	91
25) Chloroform	7.23	83	426059	5.000	uq/L	95
27) 1,2-Dichloroethane	7.99	62	174081	5.073	uq/L	97
29) 1,1,1-Trichloroethane	7.43	97	324531	5.033	uq/L	100
30) Cyclohexane	7.51	56	427406	5.329	uq/L	96
31) Carbon tetrachloride	7.64	117	326330	5.039	uq/L	99
33) Benzene	7.91	78	1211541	5.131	uq/L	100
34) Trichloroethene	8.71	95	267712	4.783	uq/L	99
35) Methylcyclohexane	8.95	83	498733	5.653	uq/L	96
37) 1,2-Dichloropropane	9.00	63	267451	5.128	uq/L	98
38) Bromodichloromethane	9.28	83	234441	5.021	uq/L	98
39) cis-1,3-Dichloropropene	9.72	75	272818	5.365	uq/L	93
40) 4-Methyl-2-pentanone	9.87	43	719380	56.298	uq/L	96
42) Toluene	10.04	91	1293044	5.441	uq/L	95
44) trans-1,3-Dichloropropene	10.26	75	195924	5.500	uq/L	94
45) 1,1,2-Trichloroethane	10.45	97	120201	5.241	uq/L	90
47) Tetrachloroethene	10.51	164	225429	5.274	uq/L	96
48) 2-Hexanone	10.63	43	511393	55.185	uq/L	97
49) Dibromochloromethane	10.79	129	135192	5.295	uq/L	97
50) 1,2-Dibromoethane	10.89	107	94413	4.983	uq/L	93
51) Chlorobenzene	11.32	112	760149	5.202	uq/L	98
52) Ethylbenzene	11.39	91	1436879	5.489	uq/L	100
53) m,p-Xylene	11.50	106	560260	5.484	uq/L	98
54) o-Xylene	11.83	106	503808	5.652	uq/L	99
55) Styrene	11.84	104	812290	5.583	uq/L	98
56) Isopropylbenzene	12.13	105	1374521	5.824	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	123032	5.074	uq/L	96
59) 1,2,3-Trichloropropane	12.43	75	81777	4.957	uq/L	95
61) Bromoform	12.01	173	53969	4.706	uq/L	88
62) 1,3-Dichlorobenzene	13.16	146	414003	4.793	uq/L	98
63) 1,4-Dichlorobenzene	13.24	146	485502	4.904	uq/L	97
65) 1,2-Dichlorobenzene	13.53	146	379009	4.992	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8982	4.198	uq/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	263716	5.091	uq/L	98
68) 1,2,4-trichlorobenzene	14.78	180	147332	4.805	uq/L	97
69) Naphthalene	15.00	128	152077	4.407	uq/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	121158	5.124	uq/L	98

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

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