

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR062018\
 Data File : VR025389.D
 Acq On : 20 Jun 2018 20:19
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Manual Integrations
 APPROVED

MMDadoda
 6/22/2018 2:45:29 PM

Quant Time: Jun 21 02:23:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 21 01:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	594066	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	499348	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	196403	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	98834	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	2.64	69	71753	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	3.65	63	255866	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	6.60	46	339220	62.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.08%
24) Chloroform-d	7.21	84	424172	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
26) 1,2-Dichloroethane-d4	7.90	65	166477	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
32) Benzene-d6	7.86	84	910805	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	8.90	67	265948	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	9.97	98	801240	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	10.24	79	58881	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	10.59	63	296656	66.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.54%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	119492	6.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	127.60%#
64) 1,2-Dichlorobenzene-d4	13.51	152	177915	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	166864	4.35	ug/L 99
3) Chloromethane	2.02	50	107822	3.88	ug/L 96
5) Vinyl chloride	2.17	62	97482	3.96	ug/L 98
6) Bromomethane	2.53	94	45633	3.81	ug/L 99
8) Chloroethane	2.67	64	53037	4.13	ug/L 98
9) Trichlorofluoromethane	2.99	101	160180	4.46	ug/L # 40
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	86608	4.11	ug/L 97
12) 1,1-Dichloroethene	3.66	96	89115	4.27	ug/L 80
13) Acetone	3.71	43	137544	56.15	ug/L 98
14) Carbon disulfide	3.98	76	153725	3.50	ug/L # 92
15) Methyl Acetate	4.20	43	30243	4.91	ug/L 96
16) Methylene chloride	4.41	84	85929m	4.52	ug/L
17) Methyl tert-butyl Ether	4.91	73	334777	5.38	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	213116	4.96	ug/L 93
19) 1,1-Dichloroethane	5.70	63	409166	5.07	ug/L 98
21) 2-Butanone	6.70	43	359547	62.10	ug/L 98
22) cis-1,2-Dichloroethene	6.68	96	231356	5.16	ug/L # 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	73349	5.59	ug/L	93
25) Chloroform	7.24	83	394402	5.35	ug/L	98
27) 1,2-Dichloroethane	8.00	62	176360m	5.24	ug/L	
29) 1,1,1-Trichloroethane	7.43	97	250392	4.22	ug/L	98
30) Cyclohexane	7.52	56	276793	3.66	ug/L	99
31) Carbon tetrachloride	7.64	117	225145	4.32	ug/L	99
33) Benzene	7.91	78	926616	4.73	ug/L	100
34) Trichloroethene	8.71	95	212585	4.48	ug/L	98
35) Methylcyclohexane	8.96	83	288872	3.86	ug/L	98
37) 1,2-Dichloropropane	9.00	63	228979	5.25	ug/L	99
38) Bromodichloromethane	9.28	83	209073	4.95	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	232932	4.54	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	869484	61.65	ug/L	99
42) Toluene	10.03	91	913169	4.35	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	167476	4.74	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	110467	5.46	ug/L	96
47) Tetrachloroethene	10.51	164	133128	4.20	ug/L	94
48) 2-Hexanone	10.64	43	579433	64.45	ug/L	97
49) Dibromochloromethane	10.78	129	91120	4.68	ug/L	100
50) 1,2-Dibromoethane	10.89	107	88959	5.48	ug/L	95
51) Chlorobenzene	11.31	112	529751	4.71	ug/L	99
52) Ethylbenzene	11.39	91	996949	4.78	ug/L	97
53) m,p-Xylene	11.50	106	364321	4.58	ug/L	97
54) o-Xylene	11.83	106	351065	4.94	ug/L	99
55) Styrene	11.85	104	576748	5.28	ug/L	90
56) Isopropylbenzene	12.13	105	901747	4.72	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	116026	6.19	ug/L	92
59) 1,2,3-Trichloropropane	12.44	75	78657	5.82	ug/L	98
61) Bromoform	12.01	173	26876	3.84	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	321911	4.67	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	330777	4.80	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	281915	5.10	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	9429	4.32	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.29	180	214645	4.70	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	156798	4.93	ug/L	98
69) Naphthalene	15.00	128	224785	5.43	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	133483	5.43	ug/L	98

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

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