

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR061518\
 Data File : VR025301.D
 Acq On : 15 Jun 2018 15:55
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV83

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 1:17:31 PM

Quant Time: Jun 15 16:24:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 15 16:03:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	732919	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	582371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	218707	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	129783	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	2.64	69	92089	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	3.65	63	332876	5.18	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	6.59	46	345606	51.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.30%
24) Chloroform-d	7.20	84	483079	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	7.89	65	185938	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	7.85	84	1037279	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	8.90	67	293334	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	9.97	98	934225	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	10.24	79	79108	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	10.59	63	279262	53.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	113497	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	197295	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	261304	5.52	ug/L	99
3) Chloromethane	2.01	50	183139	5.34	ug/L	98
5) Vinyl chloride	2.16	62	156067	5.14	ug/L	99
6) Bromomethane	2.53	94	68547	4.63	ug/L	98
8) Chloroethane	2.67	64	78099	4.93	ug/L	92
9) Trichlorofluoromethane	2.98	101	240323m	5.42	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	134720	5.18	ug/L	99
12) 1,1-Dichloroethene	3.66	96	138669	5.38	ug/L	88
13) Acetone	3.70	43	152562	50.48	ug/L	99
14) Carbon disulfide	3.96	76	303764	5.60	ug/L	99
15) Methyl Acetate	4.19	43	37561	4.94	ug/L	97
16) Methylene chloride	4.41	84	119929m	5.12	ug/L	
17) Methyl tert-butyl Ether	4.89	73	397784	5.18	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	278383	5.26	ug/L	98
19) 1,1-Dichloroethane	5.69	63	515795	5.18	ug/L	97
21) 2-Butanone	6.69	43	369439	51.72	ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	291845	5.28	ug/L #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	81937	5.06	ug/L	88
25) Chloroform	7.23	83	472226	5.19	ug/L	100
27) 1,2-Dichloroethane	8.00	62	212289	5.11	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	349179	5.05	ug/L	100
30) Cyclohexane	7.52	56	467605	5.30	ug/L	100
31) Carbon tetrachloride	7.64	117	319301	5.26	ug/L	100
33) Benzene	7.91	78	1176669	5.15	ug/L	100
34) Trichloroethene	8.71	95	290434	5.25	ug/L	97
35) Methylcyclohexane	8.96	83	468272	5.36	ug/L	99
37) 1,2-Dichloropropane	8.99	63	264311	5.20	ug/L	100
38) Bromodichloromethane	9.28	83	259487	5.26	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	321375	5.37	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	868996	52.83	ug/L	98
42) Toluene	10.03	91	1242716	5.07	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	219019	5.32	ug/L	94
45) 1,1,2-Trichloroethane	10.44	97	118681	5.03	ug/L	95
47) Tetrachloroethene	10.51	164	190012	5.15	ug/L	96
48) 2-Hexanone	10.63	43	563017	53.70	ug/L	98
49) Dibromochloromethane	10.78	129	120716	5.31	ug/L	96
50) 1,2-Dibromoethane	10.89	107	103300	5.46	ug/L #	99
51) Chlorobenzene	11.31	112	653586	4.98	ug/L	99
52) Ethylbenzene	11.39	91	1291663	5.31	ug/L	98
53) m,p-Xylene	11.50	106	483607	5.21	ug/L	93
54) o-Xylene	11.83	106	437991	5.28	ug/L	100
55) Styrene	11.85	104	682900	5.36	ug/L	93
56) Isopropylbenzene	12.13	105	1197668	5.37	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	118264	5.41	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	82059	5.20	ug/L	98
61) Bromoform	12.01	173	43161	5.53	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	404289	5.27	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	393675	5.13	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	327573	5.33	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	11699	4.81	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.29	180	269546	5.30	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	185676	5.25	ug/L	99
69) Naphthalene	15.00	128	252270	5.48	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	146034	5.33	ug/L	99

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

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