

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR061918\
 Data File : VR025373.D
 Acq On : 19 Jun 2018 20:19
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Jun 20 02:25:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 20 01:37:06 2018
 Response via : Initial Calibration

6/21/2018 11:53:16 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	574064	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	496814	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	211287	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	87319	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	2.64	69	64939	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	3.64	63	240017	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	6.60	46	333166	63.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.14%
24) Chloroform-d	7.21	84	392935	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	7.90	65	157200	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	7.86	84	827172	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	8.90	67	246119	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	9.97	98	742622	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	10.24	79	54788	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	10.59	63	294718	66.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.34%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	126170	6.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	135.60%#
64) 1,2-Dichlorobenzene-d4	13.51	152	175445	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.83	85	202794	5.47	ug/L	98
3) Chloromethane	2.02	50	113968	4.24	ug/L	99
5) Vinyl chloride	2.17	62	109966	4.63	ug/L	94
6) Bromomethane	2.53	94	53409	4.61	ug/L	98
8) Chloroethane	2.67	64	58629	4.72	ug/L	88
9) Trichlorofluoromethane	2.98	101	184316	5.31	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	107514	5.28	ug/L	97
12) 1,1-Dichloroethene	3.66	96	99809	4.95	ug/L	95
13) Acetone	3.71	43	139820	59.07	ug/L	100
14) Carbon disulfide	3.98	76	182098m	4.29	ug/L	
15) Methyl Acetate	4.19	43	31903	5.36	ug/L	99
16) Methylene chloride	4.41	84	87856m	4.79	ug/L	
17) Methyl tert-butyl Ether	4.91	73	326262	5.42	ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	220683	5.32	ug/L	99
19) 1,1-Dichloroethane	5.70	63	407105	5.22	ug/L	95
21) 2-Butanone	6.70	43	366404	65.49	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	238506	5.51	ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	70298	5.55	ug/L	95
25) Chloroform	7.24	83	389067	5.46	ug/L	97
27) 1,2-Dichloroethane	8.00	62	181027	5.57	ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	264022	4.47	ug/L	99
30) Cyclohexane	7.52	56	344748	4.58	ug/L	100
31) Carbon tetrachloride	7.64	117	247394	4.77	ug/L	98
33) Benzene	7.91	78	968779	4.97	ug/L	100
34) Trichloroethene	8.71	95	227203	4.81	ug/L	94
35) Methylcyclohexane	8.96	83	351850	4.72	ug/L	99
37) 1,2-Dichloropropane	8.99	63	231955	5.35	ug/L	99
38) Bromodichloromethane	9.28	83	214915	5.11	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	236200	4.63	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	862527	61.47	ug/L	97
42) Toluene	10.03	91	994060	4.76	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	167662	4.77	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	112471	5.59	ug/L	91
47) Tetrachloroethene	10.52	164	148951	4.73	ug/L	97
48) 2-Hexanone	10.64	43	577123	64.52	ug/L	97
49) Dibromochloromethane	10.78	129	99792	5.15	ug/L	100
50) 1,2-Dibromoethane	10.89	107	90574	5.61	ug/L #	99
51) Chlorobenzene	11.31	112	576960	5.15	ug/L	98
52) Ethylbenzene	11.39	91	1101902	5.31	ug/L	98
53) m,p-Xylene	11.50	106	407466	5.15	ug/L	91
54) o-Xylene	11.83	106	375885	5.31	ug/L	96
55) Styrene	11.85	104	629390	5.79	ug/L	92
56) Isopropylbenzene	12.13	105	1024381	5.38	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	117421	6.30	ug/L #	93
59) 1,2,3-Trichloropropane	12.43	75	80980	6.02	ug/L	96
61) Bromoform	12.01	173	30225	4.01	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	352645	4.76	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	374793	5.06	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	311677	5.25	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	11096	4.73	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	240248	4.89	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	171600	5.02	ug/L	98
69) Naphthalene	15.00	128	238981	5.37	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	148659	5.62	ug/L	100

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

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