

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR072018\
 Data File : VR025535.D
 Acq On : 20 Jul 2018 17:22
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 9:04:16 AM

Quant Time: Jul 20 23:51:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 23:36:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	589675	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	498128	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	201283	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	81106	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	2.64	69	69830	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	3.63	63	242820	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.60%
20) 2-Butanone-d5	6.60	46	241838	47.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	7.21	84	398270	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	7.89	65	151786	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	7.86	84	845290	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	8.90	67	234350	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	9.97	98	776373	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	10.24	79	56928	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	10.59	63	227353	54.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.80%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	108799	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	165946	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	162827	4.888 ug/L	95
3) Chloromethane	2.01	50	85115	4.310 ug/L	97
5) Vinyl chloride	2.16	62	83587	4.711 ug/L	93
6) Bromomethane	2.52	94	55524	5.318 ug/L	86
8) Chloroethane	2.66	64	53389	4.833 ug/L	89
9) Trichlorofluoromethane	2.98	101	154564m	5.331 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	91881	5.206 ug/L	98
12) 1,1-Dichloroethene	3.65	96	86913	4.930 ug/L	87
13) Acetone	3.71	43	99169	43.593 ug/L	97
14) Carbon disulfide	3.96	76	168018	4.188 ug/L	98
15) Methyl Acetate	4.19	43	22381	4.397 ug/L	100
16) Methylene chloride	4.41	84	75254m	4.358 ug/L	
17) Methyl tert-butyl Ether	4.90	73	268362	4.671 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	212260	4.840 ug/L	94
19) 1,1-Dichloroethane	5.70	63	345897	4.598 ug/L	97
21) 2-Butanone	6.69	43	254407	48.009 ug/L	94
22) cis-1,2-Dichloroethene	6.68	96	208454	5.180 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.05	128	63986	4.938	ug/L	91
25) Chloroform	7.23	83	346559	4.796	ug/L	97
27) 1,2-Dichloroethane	8.00	62	152252	4.699	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	241721	4.771	ug/L	99
30) Cyclohexane	7.52	56	287045	5.281	ug/L	95
31) Carbon tetrachloride	7.64	117	237503	5.299	ug/L	96
33) Benzene	7.91	78	852887	4.967	ug/L	100
34) Trichloroethene	8.71	95	202320	4.629	ug/L	97
35) Methylcyclohexane	8.96	83	319479	5.467	ug/L	95
37) 1,2-Dichloropropane	8.99	63	193813	4.856	ug/L	100
38) Bromodichloromethane	9.28	83	194327	4.777	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	221855	4.944	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	590776	51.078	ug/L	94
42) Toluene	10.03	91	879494	5.267	ug/L	97
44) trans-1,3-Dichloropropene	10.27	75	155817	4.728	ug/L	93
45) 1,1,2-Trichloroethane	10.44	97	93576	4.785	ug/L	95
47) Tetrachloroethene	10.52	164	141840	4.969	ug/L	98
48) 2-Hexanone	10.64	43	400941	50.393	ug/L	95
49) Dibromochloromethane	10.78	129	98099	4.811	ug/L	97
50) 1,2-Dibromoethane	10.89	107	76600	4.835	ug/L	95
51) Chlorobenzene	11.31	112	502939	4.947	ug/L	96
52) Ethylbenzene	11.39	91	972513	5.432	ug/L	97
53) m,p-Xylene	11.51	106	363420	5.409	ug/L	89
54) o-Xylene	11.83	106	325654	5.627	ug/L	97
55) Styrene	11.84	104	537417	5.644	ug/L	98
56) Isopropylbenzene	12.13	105	879799	5.741	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.38	83	95964	4.982	ug/L #	95
59) 1,2,3-Trichloropropane	12.44	75	64521	4.653	ug/L	98
61) Bromoform	12.01	173	37310	4.551	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	289937	4.916	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	323031	4.934	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	268108	5.231	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	8907	3.929	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.29	180	194346	5.046	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	124711	4.710	ug/L	100
69) Naphthalene	15.00	128	159389	4.701	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	107304	5.255	ug/L	99

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

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