

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
 Data File : VR025517.D
 Acq On : 19 Jul 2018 10:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 3:31:21 PM

Quant Time: Jul 20 01:19:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 19 05:17:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	665773	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	543509	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	214166	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	115044	6.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.40%
7) Chloroethane-d5	2.63	69	86283	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.40%
11) 1,1-Dichloroethene-d2	3.64	63	303762	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	109.20%
20) 2-Butanone-d5	6.59	46	232878	40.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.70%
24) Chloroform-d	7.20	84	455747	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	7.89	65	163370	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	7.86	84	1007814	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
36) 1,2-Dichloropropane-d6	8.90	67	267167	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	9.97	98	931067	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.60%
43) trans-1,3-Dichloropropene-	10.24	79	67649	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	10.59	63	214625	47.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.00%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	111183	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	188235	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.84	85	197976	5.26	ug/L	97
3) Chloromethane	2.01	50	106577	4.78	ug/L	96
5) Vinyl chloride	2.16	62	107305	5.36	ug/L	99
6) Bromomethane	2.53	94	53997	4.58	ug/L	95
8) Chloroethane	2.67	64	58025	4.65	ug/L	93
9) Trichlorofluoromethane	2.94	101	184349m	5.63	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	109467	5.49	ug/L	99
12) 1,1-Dichloroethene	3.65	96	105728	5.31	ug/L	85
13) Acetone	3.70	43	88326	34.39	ug/L	96
14) Carbon disulfide	3.97	76	221725	4.90	ug/L	98
15) Methyl Acetate	4.21	43	20796	3.62	ug/L #	89
16) Methylene chloride	4.40	84	87098m	4.47	ug/L	
17) Methyl tert-butyl Ether	4.90	73	264576	4.08	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	245899	4.97	ug/L	89
19) 1,1-Dichloroethane	5.69	63	399516	4.70	ug/L	99
21) 2-Butanone	6.69	43	232257	38.82	ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	228248	5.02	ug/L	95

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

23) Bromochloromethane	7.05	128	63989	4.37	ug/L	93
25) Chloroform	7.23	83	379300	4.65	ug/L	99
27) 1,2-Dichloroethane	8.00	62	155493	4.25	ug/L #	90
29) 1,1,1-Trichloroethane	7.43	97	280160	5.07	ug/L	100
30) Cyclohexane	7.52	56	344328	5.81	ug/L	94
31) Carbon tetrachloride	7.64	117	270794	5.54	ug/L	97
33) Benzene	7.91	78	955761	5.10	ug/L	100
34) Trichloroethene	8.71	95	234430	4.92	ug/L	97
35) Methylcyclohexane	8.96	83	373002	5.85	ug/L	97
37) 1,2-Dichloropropane	8.99	63	204354	4.69	ug/L	100
38) Bromodichloromethane	9.28	83	203950	4.60	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	241154	4.92	ug/L	93
40) 4-Methyl-2-pentanone	9.86	43	552486	43.78	ug/L	95
42) Toluene	10.03	91	981009	5.38	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	166878	4.64	ug/L	92
45) 1,1,2-Trichloroethane	10.44	97	92856	4.35	ug/L	93
47) Tetrachloroethene	10.52	164	166930	5.36	ug/L	99
48) 2-Hexanone	10.64	43	368342	42.43	ug/L	94
49) Dibromochloromethane	10.78	129	101277	4.55	ug/L	93
50) 1,2-Dibromoethane	10.89	107	77572	4.49	ug/L #	97
51) Chlorobenzene	11.31	112	549287	4.95	ug/L	97
52) Ethylbenzene	11.39	91	1084428	5.55	ug/L	99
53) m,p-Xylene	11.50	106	405543	5.53	ug/L	90
54) o-Xylene	11.83	106	354334	5.61	ug/L	98
55) Styrene	11.85	104	573629	5.52	ug/L	89
56) Isopropylbenzene	12.13	105	1001048	5.99	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	90815	4.32	ug/L	93
59) 1,2,3-Trichloropropane	12.43	75	62896	4.16	ug/L	98
61) Bromoform	12.01	173	38769	4.44	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	318688	5.08	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	335691	4.82	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	270017	4.95	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	8217	3.41	ug/L	96
67) 1,3,5-Trichlorobenzene	14.29	180	220884	5.39	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	136795	4.86	ug/L	99
69) Naphthalene	15.00	128	160966	4.46	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	106945	4.92	ug/L	95

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

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