

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080718\
 Data File : VR025568.D
 Acq On : 7 Aug 2018 9:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00592

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 11:11:47 AM

Quant Time: Aug 08 01:58:12 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Aug 06 23:40:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	540302	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	482997	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	225077	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	176854	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	2.64	69	116891	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	3.64	63	407936	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.60%
20) 2-Butanone-d5	6.60	46	125843	45.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.96%
24) Chloroform-d	7.21	84	287135	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	7.90	65	100352	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	7.86	84	659805	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	8.90	67	168140	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	9.97	98	667867	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
43) trans-1,3-Dichloropropene-	10.24	79	41559	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	10.59	63	161942	58.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.52%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	82095	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	170616	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.83	85	155240	5.02	ug/L	97
3) Chloromethane	2.01	50	210372	5.15	ug/L	97
5) Vinyl chloride	2.15	62	196563	4.81	ug/L	90
6) Bromomethane	2.53	94	82885	3.69	ug/L	84
8) Chloroethane	2.67	64	93100	4.11	ug/L	98
9) Trichlorofluoromethane	2.97	101	318874m	5.72	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	178006	4.94	ug/L	95
12) 1,1-Dichloroethene	3.66	96	199041	5.16	ug/L	90
13) Acetone	3.71	43	110577	47.54	ug/L	99
14) Carbon disulfide	3.96	76	394633	4.41	ug/L	99
15) Methyl Acetate	4.21	43	33292	4.53	ug/L	95
16) Methylene chloride	4.41	84	166066m	5.10	ug/L	
17) Methyl tert-butyl Ether	4.91	73	187183	4.83	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	191202	5.17	ug/L	91
19) 1,1-Dichloroethane	5.69	63	267939	4.95	ug/L	97
21) 2-Butanone	6.70	43	166497	51.52	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	177353	5.25	ug/L #	99

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

23) Bromochloromethane	7.05	128	61759	5.51	ug/L	91
25) Chloroform	7.23	83	270748	5.06	ug/L	96
27) 1,2-Dichloroethane	8.00	62	112247	5.26	ug/L #	88
29) 1,1,1-Trichloroethane	7.43	97	195000	4.56	ug/L	99
30) Cyclohexane	7.52	56	255340	5.18	ug/L	98
31) Carbon tetrachloride	7.64	117	207878	4.71	ug/L	100
33) Benzene	7.91	78	747741	5.01	ug/L	100
34) Trichloroethene	8.71	95	176484	4.76	ug/L	94
35) Methylcyclohexane	8.96	83	298217	5.34	ug/L	98
37) 1,2-Dichloropropane	8.99	63	151534	4.82	ug/L	98
38) Bromodichloromethane	9.28	83	156459	4.88	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	175836	5.07	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	496264	56.07	ug/L	99
42) Toluene	10.03	91	842783	5.30	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	123895	5.12	ug/L	99
45) 1,1,2-Trichloroethane	10.44	97	79856	5.11	ug/L	97
47) Tetrachloroethene	10.52	164	165429	5.21	ug/L	95
48) 2-Hexanone	10.64	43	342852	57.44	ug/L	99
49) Dibromochloromethane	10.78	129	97434	5.28	ug/L	93
50) 1,2-Dibromoethane	10.89	107	68636	5.26	ug/L #	100
51) Chlorobenzene	11.31	112	506683	5.27	ug/L	97
52) Ethylbenzene	11.39	91	919826	5.32	ug/L	98
53) m,p-Xylene	11.51	106	368411	5.51	ug/L	96
54) o-Xylene	11.83	106	333757	5.44	ug/L	96
55) Styrene	11.85	104	557209	5.70	ug/L	100
56) Isopropylbenzene	12.13	105	889229	5.51	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	83304	5.62	ug/L	93
59) 1,2,3-Trichloropropane	12.44	75	52829	5.33	ug/L	97
61) Bromoform	12.01	173	41417	4.62	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	322830	4.96	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	361091	5.11	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	287652	5.14	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	7815	4.52	ug/L #	67
67) 1,3,5-Trichlorobenzene	14.29	180	218669	4.94	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	142612	5.02	ug/L	98
69) Naphthalene	15.00	128	143882	4.43	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	121866	5.57	ug/L	98

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

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