

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR082818\
 Data File : VR025653.D
 Acq On : 28 Aug 2018 20:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00586

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 5:04:39 PM

Quant Time: Aug 29 07:06:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 06:51:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	506118	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	434984	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	185840	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	141917	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	2.62	69	118710	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	3.63	63	350508	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	6.59	46	147037	58.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.14%
24) Chloroform-d	7.20	84	254287	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	7.90	65	91213	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	7.86	84	634307	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	8.90	67	164959	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	9.97	98	611263	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	10.24	79	36697	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	10.59	63	162850	58.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.34%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79462	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	129640	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.83	85	118223	4.22	ug/L	100
3) Chloromethane	2.02	50	177772	4.28	ug/L	95
5) Vinyl chloride	2.17	62	169010	4.16	ug/L	95
6) Bromomethane	2.52	94	118355	4.28	ug/L	99
8) Chloroethane	2.66	64	99734	3.99	ug/L	94
9) Trichlorofluoromethane	2.99	101	294940m	5.00	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	173096	4.82	ug/L	99
12) 1,1-Dichloroethene	3.65	96	163973	4.13	ug/L #	72
13) Acetone	3.71	43	113761	72.74	ug/L	97
14) Carbon disulfide	3.97	76	373213	3.61	ug/L	97
15) Methyl Acetate	4.19	43	31580	5.34	ug/L	90
16) Methylene chloride	4.41	84	144606	4.05	ug/L	91
17) Methyl tert-butyl Ether	4.90	73	190339	4.67	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	177468	4.23	ug/L	89
19) 1,1-Dichloroethane	5.70	63	261164	4.03	ug/L	97
21) 2-Butanone	6.69	43	192248	62.38	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	170997	4.74	ug/L #	96

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

23) Bromochloromethane	7.05	128	55704	5.04	ug/L	95
25) Chloroform	7.23	83	248700	4.41	ug/L	97
27) 1,2-Dichloroethane	8.00	62	101886	4.83	ug/L	95
29) 1,1,1-Trichloroethane	7.43	97	185575	4.39	ug/L	94
30) Cyclohexane	7.52	56	245992	4.52	ug/L	99
31) Carbon tetrachloride	7.64	117	173807	4.68	ug/L	99
33) Benzene	7.91	78	717600	4.52	ug/L	100
34) Trichloroethene	8.71	95	160226	4.40	ug/L	95
35) Methylcyclohexane	8.96	83	285079	4.82	ug/L	98
37) 1,2-Dichloropropane	8.99	63	158011	4.53	ug/L #	98
38) Bromodichloromethane	9.28	83	145108	4.77	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	169299	4.74	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	492550	58.31	ug/L	100
42) Toluene	10.03	91	778589	5.00	ug/L	95
44) trans-1,3-Dichloropropene	10.27	75	118631	4.70	ug/L	92
45) 1,1,2-Trichloroethane	10.44	97	73488	4.78	ug/L	95
47) Tetrachloroethene	10.52	164	130051	4.67	ug/L	96
48) 2-Hexanone	10.64	43	335566	56.99	ug/L	99
49) Dibromochloromethane	10.79	129	82425	4.97	ug/L	99
50) 1,2-Dibromoethane	10.89	107	59330	4.87	ug/L	91
51) Chlorobenzene	11.31	112	456934	4.71	ug/L	100
52) Ethylbenzene	11.39	91	812175	4.88	ug/L	100
53) m,p-Xylene	11.51	106	325896	4.89	ug/L	97
54) o-Xylene	11.83	106	303487	5.11	ug/L	99
55) Styrene	11.85	104	489404	5.10	ug/L	100
56) Isopropylbenzene	12.13	105	773095	5.14	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	80681	5.07	ug/L	97
59) 1,2,3-Trichloropropane	12.44	75	50286	4.65	ug/L	93
61) Bromoform	12.01	173	33691	4.51	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	249293	4.34	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	287652	4.51	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	233579	4.72	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	6014	4.49	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	158023	4.87	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	99372	4.93	ug/L	97
69) Naphthalene	15.00	128	121918	4.90	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	89508	5.71	ug/L	98

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

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