

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101118\
 Data File : VR026050.D
 Acq On : 11 Oct 2018 18:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00597

Manual Integrations
 APPROVED
 MMDadoda
 10/12/2018 12:20:33 PM

Quant Time: Oct 12 09:03:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 12 08:06:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	445283	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	405411	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	165369	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	199123	5.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.40%
7) Chloroethane-d5	2.63	69	180219	6.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.60%
11) 1,1-Dichloroethene-d2	3.63	63	457049	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.80%
20) 2-Butanone-d5	6.59	46	228465	58.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.72%
24) Chloroform-d	7.20	84	328392	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	7.90	65	156440	5.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.00%
32) Benzene-d6	7.86	84	640090	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	8.90	67	180210	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	9.97	98	619391	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	10.24	79	44847	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	10.59	63	207868	66.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.08%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	88887	6.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.40%#
64) 1,2-Dichlorobenzene-d4	13.52	152	138917	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	107957	3.989	ug/L	94
3) Chloromethane	2.02	50	204326	5.309	ug/L	98
5) Vinyl chloride	2.17	62	195550	5.105	ug/L	95
6) Bromomethane	2.52	94	133400	5.578	ug/L	97
8) Chloroethane	2.66	64	123196	5.653	ug/L	99
9) Trichlorofluoromethane	2.99	101	309970m	5.828	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	173214	5.328	ug/L	94
12) 1,1-Dichloroethene	3.66	96	178829	5.320	ug/L	84
13) Acetone	3.71	43	147348	51.933	ug/L	96
14) Carbon disulfide	3.96	76	335156	4.119	ug/L #	95
15) Methyl Acetate	4.19	43	48989	6.227	ug/L	94
16) Methylene chloride	4.41	84	169436	5.482	ug/L	93
17) Methyl tert-butyl Ether	4.90	73	198285	5.327	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	131603	4.734	ug/L	95
19) 1,1-Dichloroethane	5.69	63	267741	4.864	ug/L	97
21) 2-Butanone	6.70	43	205882	52.756	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	138461	4.950	ug/L #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	41125	5.419	ug/L	89
25) Chloroform	7.23	83	270514	5.047	ug/L	99
27) 1,2-Dichloroethane	7.99	62	141235	5.281	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	214719	4.710	ug/L	99
30) Cyclohexane	7.53	56	207013	3.634	ug/L	98
31) Carbon tetrachloride	7.64	117	186858	4.733	ug/L	99
33) Benzene	7.91	78	617040	4.538	ug/L	100
34) Trichloroethene	8.71	95	149416	4.170	ug/L	97
35) Methylcyclohexane	8.96	83	207250	3.847	ug/L	97
37) 1,2-Dichloropropane	9.00	63	142854	4.897	ug/L	98
38) Bromodichloromethane	9.28	83	155126	4.929	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	167798	5.130	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	568325	55.406	ug/L	98
42) Toluene	10.04	91	662638	4.690	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	117062	5.482	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	67589	5.122	ug/L	93
47) Tetrachloroethene	10.51	164	99881	4.524	ug/L	90
48) 2-Hexanone	10.63	43	388788	57.891	ug/L	98
49) Dibromochloromethane	10.79	129	71031	5.305	ug/L	95
50) 1,2-Dibromoethane	10.89	107	55525	5.333	ug/L #	99
51) Chlorobenzene	11.32	112	374085	4.991	ug/L	96
52) Ethylbenzene	11.39	91	775109	4.806	ug/L	99
53) m,p-Xylene	11.50	106	282918	4.928	ug/L	91
54) o-Xylene	11.83	106	266044	4.978	ug/L	96
55) Styrene	11.84	104	442041	5.314	ug/L	93
56) Isopropylbenzene	12.13	105	734112	4.980	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	73235	5.760	ug/L	93
59) 1,2,3-Trichloropropane	12.43	75	53407	5.644	ug/L	100
61) Bromoform	12.01	173	22508	4.502	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	231417	4.788	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	237005	4.794	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	198387	5.109	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7673	4.699	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	144938	5.034	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	90289	4.920	ug/L	98
69) Naphthalene	15.00	128	115261	4.921	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	66921	5.256	ug/L	94

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

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