

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071318\
 Data File : VR025471.D
 Acq On : 13 Jul 2018 20:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 2:26:25 PM

Quant Time: Jul 14 00:07:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 13 23:51:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	712714	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	565964	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	224590	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	96333	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	2.63	69	89876	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	3.63	63	279555	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	6.59	46	314390	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	7.20	84	467834	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	7.89	65	172424	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.86	84	964321	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	8.90	67	268475	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	9.97	98	836981	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	10.24	79	65668	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	10.59	63	263139	55.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	122439	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	190772	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	197721	4.91	ug/L	97
3) Chloromethane	2.01	50	137184	5.75	ug/L	100
5) Vinyl chloride	2.16	62	116960	5.45	ug/L	97
6) Bromomethane	2.53	94	72938	5.78	ug/L	95
8) Chloroethane	2.66	64	73103	5.47	ug/L	94
9) Trichlorofluoromethane	2.93	101	184324m	5.26	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	114636	5.37	ug/L	98
12) 1,1-Dichloroethene	3.65	96	115661	5.43	ug/L	88
13) Acetone	3.70	43	121193	44.08	ug/L	98
14) Carbon disulfide	3.95	76	298159	6.15	ug/L	95
15) Methyl Acetate	4.19	43	27739	4.51	ug/L	97
16) Methylene chloride	4.41	84	98074	4.70	ug/L	86
17) Methyl tert-butyl Ether	4.89	73	318753	4.59	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	263476	4.97	ug/L	93
19) 1,1-Dichloroethane	5.69	63	442029	4.86	ug/L	99
21) 2-Butanone	6.69	43	290967	45.43	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	253456	5.21	ug/L	96

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

23) Bromochloromethane	7.05	128	73376	4.69	ug/L	91
25) Chloroform	7.23	83	412287	4.72	ug/L	99
27) 1,2-Dichloroethane	7.99	62	174677	4.46	ug/L #	92
29) 1,1,1-Trichloroethane	7.43	97	309469	5.38	ug/L	100
30) Cyclohexane	7.52	56	354958	5.75	ug/L	96
31) Carbon tetrachloride	7.64	117	265471	5.21	ug/L	95
33) Benzene	7.91	78	1036703	5.31	ug/L	100
34) Trichloroethene	8.71	95	248039	4.99	ug/L	95
35) Methylcyclohexane	8.96	83	371896	5.60	ug/L	97
37) 1,2-Dichloropropane	8.99	63	223121	4.92	ug/L	99
38) Bromodichloromethane	9.28	83	228363	4.94	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	262611	5.15	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	657868	50.06	ug/L	97
42) Toluene	10.03	91	1030514	5.43	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	182020	4.86	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	103463	4.66	ug/L	95
47) Tetrachloroethene	10.52	164	163830	5.05	ug/L	95
48) 2-Hexanone	10.64	43	436371	48.27	ug/L	95
49) Dibromochloromethane	10.78	129	111783	4.83	ug/L	97
50) 1,2-Dibromoethane	10.89	107	86692	4.82	ug/L	97
51) Chlorobenzene	11.31	112	577062	5.00	ug/L	98
52) Ethylbenzene	11.39	91	1125679	5.53	ug/L	96
53) m,p-Xylene	11.50	106	417108	5.46	ug/L	94
54) o-Xylene	11.83	106	384039	5.84	ug/L	100
55) Styrene	11.84	104	612884	5.67	ug/L	98
56) Isopropylbenzene	12.13	105	1031421	5.92	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	102799	4.70	ug/L	97
59) 1,2,3-Trichloropropane	12.44	75	73727	4.68	ug/L	100
61) Bromoform	12.01	173	40328	4.41	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	341340	5.19	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	357713	4.90	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	293083	5.13	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	10758	4.25	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	226411	5.27	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	142169	4.81	ug/L	97
69) Naphthalene	15.00	128	183098	4.84	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	114687	5.03	ug/L	99

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

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