

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101618\
 Data File : VR026094.D
 Acq On : 16 Oct 2018 10:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 5:44:08 PM

Quant Time: Oct 17 08:49:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 08:21:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	619679	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	528554	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	204526	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	244350	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	2.63	69	227621	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	3.62	63	626750	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	6.59	46	190520	42.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.58%
24) Chloroform-d	7.21	84	385708	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	7.90	65	155717	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	7.86	84	763243	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	8.90	67	197331	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	9.97	98	740253	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	10.24	79	48876	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	10.59	63	163237	49.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.30%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80576	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	139655	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	191070	4.590	ug/L	96
3) Chloromethane	2.02	50	329491	4.985	ug/L	100
5) Vinyl chloride	2.17	62	337674	5.128	ug/L	97
6) Bromomethane	2.52	94	221892	5.102	ug/L	99
8) Chloroethane	2.66	64	205643	5.040	ug/L	99
9) Trichlorofluoromethane	2.94	101	511278m	5.378	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	288651	5.093	ug/L	99
12) 1,1-Dichloroethene	3.63	96	299426	4.969	ug/L	95
13) Acetone	3.70	43	220232	47.847	ug/L	99
14) Carbon disulfide	3.94	76	842826	5.350	ug/L	99
15) Methyl Acetate	4.19	43	52115	4.334	ug/L	100
16) Methylene chloride	4.40	84	250987	4.593	ug/L	97
17) Methyl tert-butyl Ether	4.90	73	232685	4.253	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	214081	4.698	ug/L	98
19) 1,1-Dichloroethane	5.70	63	394944	4.616	ug/L	98
21) 2-Butanone	6.69	43	238741	44.961	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	204767	4.750	ug/L #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	53435	4.419	ug/L	91
25) Chloroform	7.23	83	392596	4.702	ug/L	94
27) 1,2-Dichloroethane	7.99	62	186543	4.564	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	349670	4.841	ug/L	99
30) Cyclohexane	7.52	56	384541	5.304	ug/L	99
31) Carbon tetrachloride	7.64	117	313840	4.779	ug/L	95
33) Benzene	7.91	78	952981	4.805	ug/L	100
34) Trichloroethene	8.71	95	246763	4.861	ug/L	95
35) Methylcyclohexane	8.95	83	395607	5.235	ug/L	99
37) 1,2-Dichloropropane	9.00	63	196620	4.699	ug/L	98
38) Bromodichloromethane	9.28	83	219330	4.874	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	226869	4.737	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	609378	47.687	ug/L	99
42) Toluene	10.04	91	1034306	4.941	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	158760	4.745	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	84353	4.779	ug/L	95
47) Tetrachloroethene	10.51	164	173207	4.778	ug/L	96
48) 2-Hexanone	10.63	43	423786	50.777	ug/L	98
49) Dibromochloromethane	10.79	129	95744	4.820	ug/L	94
50) 1,2-Dibromoethane	10.89	107	69013	4.526	ug/L	89
51) Chlorobenzene	11.32	112	544254	4.697	ug/L	98
52) Ethylbenzene	11.39	91	1231099	5.115	ug/L	99
53) m,p-Xylene	11.50	106	444382	5.067	ug/L	93
54) o-Xylene	11.83	106	411824	5.122	ug/L	99
55) Styrene	11.84	104	640279	5.174	ug/L	99
56) Isopropylbenzene	12.13	105	1186850	5.315	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	81121	4.522	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	59367	4.508	ug/L	100
61) Bromoform	12.01	173	30376	4.273	ug/L	94
62) 1,3-Dichlorobenzene	13.16	146	319862	4.708	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	333897	4.745	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	257379	4.720	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	7158	3.222	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	196452	4.745	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	112880	4.671	ug/L	99
69) Naphthalene	15.00	128	108158	4.609	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	80109	4.773	ug/L	100

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

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