

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082418\
 Data File : VR025645.D
 Acq On : 24 Aug 2018 21:20
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

Manual Integrations
 APPROVED

MMDadoda
 8/27/2018 4:09:42 PM

Quant Time: Aug 25 01:02:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 24 23:05:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	545809	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	460979	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	188691	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	179706	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	2.62	69	145274	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	3.62	63	411347	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	6.59	46	171878	63.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.98%
24) Chloroform-d	7.20	84	300857	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	7.90	65	106686	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	7.86	84	748699	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	8.90	67	195094	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	9.97	98	711795	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	10.24	79	46237	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	10.59	63	186703	62.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	85028	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	147301	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	131113	4.336 ug/L	91
3) Chloromethane	2.00	50	189096	4.226 ug/L	97
5) Vinyl chloride	2.17	62	192699	4.399 ug/L	85
6) Bromomethane	2.52	94	121860	4.089 ug/L	100
8) Chloroethane	2.66	64	110901	4.116 ug/L	90
9) Trichlorofluoromethane	2.99	101	313913m	4.937 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	182325	4.707 ug/L	96
12) 1,1-Dichloroethene	3.65	96	184282	4.299 ug/L	80
13) Acetone	3.70	43	105027	62.273 ug/L	99
14) Carbon disulfide	3.96	76	454698	4.075 ug/L	96
15) Methyl Acetate	4.19	43	36020	5.649 ug/L	95
16) Methylene chloride	4.41	84	161227	4.191 ug/L	88
17) Methyl tert-butyl Ether	4.89	73	203180	4.623 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	191505	4.231 ug/L	97
19) 1,1-Dichloroethane	5.69	63	295118	4.218 ug/L	98
21) 2-Butanone	6.69	43	192000	57.769 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	182941	4.703 ug/L #	90

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

23) Bromochloromethane	7.05	128	54769	4.593	ug/L	95
25) Chloroform	7.23	83	270094	4.443	ug/L	99
27) 1,2-Dichloroethane	7.99	62	107808	4.743	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	200030	4.460	ug/L	96
30) Cyclohexane	7.52	56	282061	4.888	ug/L	99
31) Carbon tetrachloride	7.64	117	184698	4.693	ug/L	100
33) Benzene	7.91	78	768382	4.564	ug/L	100
34) Trichloroethene	8.71	95	171009	4.435	ug/L	98
35) Methylcyclohexane	8.96	83	319395	5.091	ug/L	99
37) 1,2-Dichloropropane	8.99	63	171107	4.630	ug/L #	98
38) Bromodichloromethane	9.28	83	150166	4.656	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	180532	4.766	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	512802	57.284	ug/L	99
42) Toluene	10.03	91	812890	4.921	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	125861	4.708	ug/L	93
45) 1,1,2-Trichloroethane	10.44	97	76013	4.662	ug/L	94
47) Tetrachloroethene	10.51	164	138204	4.687	ug/L	94
48) 2-Hexanone	10.64	43	343081	54.979	ug/L	96
49) Dibromochloromethane	10.79	129	81677	4.648	ug/L	91
50) 1,2-Dibromoethane	10.89	107	61693	4.776	ug/L #	95
51) Chlorobenzene	11.31	112	478752	4.656	ug/L	100
52) Ethylbenzene	11.39	91	891934	5.057	ug/L	99
53) m,p-Xylene	11.51	106	347534	4.920	ug/L	97
54) o-Xylene	11.83	106	311098	4.943	ug/L	96
55) Styrene	11.85	104	509502	5.011	ug/L	99
56) Isopropylbenzene	12.13	105	812081	5.090	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	77125	4.576	ug/L	90
59) 1,2,3-Trichloropropane	12.44	75	52137	4.550	ug/L	90
61) Bromoform	12.01	173	32120	4.236	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	265466	4.551	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	285200	4.401	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	234812	4.675	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	5974	4.394	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	164237	4.983	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	97277	4.755	ug/L	96
69) Naphthalene	15.00	128	117328	4.644	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	82033	5.158	ug/L	99

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

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