

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR110818\
 Data File : VR026209.D
 Acq On : 8 Nov 2018 11:01
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 2:14:19 PM

Quant Time: Nov 08 14:20:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 06 15:50:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	617193	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	509817	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	197200	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	265949	4.92	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	2.63	69	235700	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	3.61	63	644152	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	6.59	46	199370	44.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.92%
24) Chloroform-d	7.20	84	420673	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	7.90	65	166825	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	7.85	84	852727	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	8.90	67	210462	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	9.97	98	823506	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	10.24	79	52846	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	10.59	63	158426	49.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.90%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81586	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	150266	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	186111	4.489 ug/L	97
3) Chloromethane	2.02	50	284868	4.327 ug/L	95
5) Vinyl chloride	2.17	62	289511	4.414 ug/L	97
6) Bromomethane	2.53	94	193678	4.471 ug/L	94
8) Chloroethane	2.66	64	182706	4.496 ug/L	96
9) Trichlorofluoromethane	2.94	101	463740m	4.898 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	271054	4.802 ug/L	99
12) 1,1-Dichloroethene	3.63	96	281141	4.684 ug/L	94
13) Acetone	3.70	43	207581	45.281 ug/L	98
14) Carbon disulfide	3.94	76	739136	4.711 ug/L	100
15) Methyl Acetate	4.20	43	48639	4.062 ug/L	95
16) Methylene chloride	4.41	84	219646	4.036 ug/L	96
17) Methyl tert-butyl Ether	4.90	73	223693	4.105 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	213526	4.704 ug/L	98
19) 1,1-Dichloroethane	5.69	63	403548	4.736 ug/L	97
21) 2-Butanone	6.69	43	232837	44.026 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	202616	4.719 ug/L #	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	55376	4.598	ug/L	88
25) Chloroform	7.23	83	397668	4.782	ug/L	98
27) 1,2-Dichloroethane	7.99	62	177611	4.363	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	362252	5.200	ug/L	99
30) Cyclohexane	7.51	56	365156	5.222	ug/L	100
31) Carbon tetrachloride	7.63	117	324593	5.124	ug/L	99
33) Benzene	7.91	78	939374	4.911	ug/L	100
34) Trichloroethene	8.71	95	236977	4.840	ug/L	99
35) Methylcyclohexane	8.95	83	371581	5.098	ug/L	97
37) 1,2-Dichloropropane	9.00	63	192617	4.772	ug/L #	98
38) Bromodichloromethane	9.28	83	212607	4.898	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	229002	4.958	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	560079	45.440	ug/L	99
42) Toluene	10.04	91	1014965	5.027	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	156342	4.844	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	79612	4.677	ug/L	93
47) Tetrachloroethene	10.51	164	170035	4.863	ug/L	97
48) 2-Hexanone	10.63	43	376117	46.721	ug/L	99
49) Dibromochloromethane	10.79	129	95004	4.959	ug/L	98
50) 1,2-Dibromoethane	10.89	107	68125	4.632	ug/L #	95
51) Chlorobenzene	11.32	112	538135	4.815	ug/L	98
52) Ethylbenzene	11.39	91	1201448	5.175	ug/L	99
53) m,p-Xylene	11.50	106	429745	5.080	ug/L	100
54) o-Xylene	11.83	106	390137	5.031	ug/L	99
55) Styrene	11.84	104	600086	5.027	ug/L	100
56) Isopropylbenzene	12.13	105	1157243	5.373	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	75555	4.367	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	55967	4.406	ug/L	97
61) Bromoform	12.01	173	33317	4.861	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	314941	4.807	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	319632	4.711	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	247127	4.700	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7829	3.655	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	192534	4.823	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	104746	4.496	ug/L	99
69) Naphthalene	15.00	128	103486	4.574	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	75420	4.661	ug/L	96

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

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