

Data Path : Z:\voasrv\HPCHEM1\MSVOA R\Data\VR040919\
 Data File : VR026515.D
 Acq On : 9 Apr 2019 14:16
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00566

Manual Integrations
 APPROVED

MMDadoda
 4/10/2019 4:57:08 PM

Quant Time: Apr 10 05:43:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 09 01:39:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	740701	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	624000	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	264567	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	248616	4.42	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	2.62	69	222790	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	3.61	63	706166	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	6.58	46	266026	53.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	7.20	84	530338	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	7.90	65	224180	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	7.85	84	984460	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	8.90	67	257927	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	9.97	98	970103	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
43) trans-1,3-Dichloropropene-	10.23	79	66004	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	10.59	63	241478	65.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.46%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	109746	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	206000	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	316951	4.175	ug/L 99
3) Chloromethane	2.01	50	351895	4.395	ug/L 95
5) Vinyl chloride	2.16	62	351378	4.466	ug/L 100
6) Bromomethane	2.52	94	215868	4.692	ug/L 94
8) Chloroethane	2.66	64	208773	4.680	ug/L 98
9) Trichlorofluoromethane	2.93	101	563695m	5.175	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	292184	4.862	ug/L 98
12) 1,1-Dichloroethene	3.63	96	307653	4.684	ug/L 94
13) Acetone	3.69	43	241696	47.666	ug/L 96
14) Carbon disulfide	3.94	76	853399	4.476	ug/L 99
15) Methyl Acetate	4.19	43	62838	4.593	ug/L 99
16) Methylene chloride	4.40	84	252818	4.329	ug/L 90
17) Methyl tert-butyl Ether	4.90	73	289802	3.879	ug/L 100
18) trans-1,2-Dichloroethene	4.89	96	274174	4.424	ug/L 93
19) 1,1-Dichloroethane	5.69	63	502862	4.366	ug/L 98
21) 2-Butanone	6.69	43	328927	50.454	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	253682	4.921	ug/L 89

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

23) Bromochloromethane	7.05	128	73823	4.596	ug/L	92
25) Chloroform	7.23	83	496504	4.506	ug/L	99
27) 1,2-Dichloroethane	7.99	62	250791	4.564	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	427947	4.155	ug/L	97
30) Cyclohexane	7.51	56	457206	4.778	ug/L	96
31) Carbon tetrachloride	7.64	117	433207	4.440	ug/L	97
33) Benzene	7.91	78	1135860	4.658	ug/L	100
34) Trichloroethene	8.71	95	290410	4.446	ug/L	96
35) Methylcyclohexane	8.95	83	459402	4.932	ug/L	96
37) 1,2-Dichloropropane	8.99	63	239063	4.473	ug/L	99
38) Bromodichloromethane	9.28	83	287657	4.658	ug/L #	94
39) cis-1,3-Dichloropropene	9.72	75	297176	5.123	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	843205	53.847	ug/L	99
42) Toluene	10.03	91	1233989	4.938	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	206444	4.879	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	102072	4.722	ug/L	97
47) Tetrachloroethene	10.51	164	216301	4.653	ug/L	99
48) 2-Hexanone	10.63	43	574572	55.164	ug/L	99
49) Dibromochloromethane	10.79	129	133855	4.727	ug/L	89
50) 1,2-Dibromoethane	10.88	107	85618	4.605	ug/L	94
51) Chlorobenzene	11.32	112	667799	4.762	ug/L	97
52) Ethylbenzene	11.39	91	1427925	4.960	ug/L	98
53) m,p-Xylene	11.50	106	513560	4.977	ug/L	97
54) o-Xylene	11.83	106	477261	5.264	ug/L	97
55) Styrene	11.84	104	753970	5.268	ug/L	99
56) Isopropylbenzene	12.13	105	1350428	5.248	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	101450	4.833	ug/L	92
59) 1,2,3-Trichloropropane	12.43	75	75645	4.698	ug/L	99
61) Bromoform	12.01	173	52437	4.442	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	394456	4.652	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	436865	4.589	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	334575	4.756	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	10450	3.865	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	252301	4.554	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	148548	4.825	ug/L	98
69) Naphthalene	15.00	128	143603	4.959	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	111985	5.247	ug/L	97

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

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