

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091719\
 Data File : VR026640.D
 Acq On : 17 Sep 2019 9:35
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00571

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:41:50 AM

Quant Time: Sep 18 06:58:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 02:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	355386	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	287144	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	135162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	38375	3.93	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	2.65	69	37853	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	3.64	63	123352	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	6.62	46	99175	46.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.66%
24) Chloroform-d	7.22	84	179744	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	7.91	65	59641	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	7.88	84	325386	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	8.92	67	86527	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	9.99	98	258351	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	10.25	79	19508	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	10.61	63	70381	54.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.18%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	48734	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	13.53	152	77102	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	192121	4.782	ug/L 100
3) Chloromethane	2.07	50	82462	3.932	ug/L 91
5) Vinyl chloride	2.20	62	84508	4.021	ug/L 99
6) Bromomethane	2.54	94	57315	4.340	ug/L 94
8) Chloroethane	2.68	64	49848	4.112	ug/L 97
9) Trichlorofluoromethane	2.97	101	178154	4.900	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	78705	4.939	ug/L 99
12) 1,1-Dichloroethene	3.67	96	68314	4.357	ug/L 86
13) Acetone	3.73	43	74022	46.477	ug/L 99
14) Carbon disulfide	3.97	76	390623	5.820	ug/L 100
15) Methyl Acetate	4.22	43	26968	4.032	ug/L # 89
16) Methylene chloride	4.43	84	135726m	4.161	ug/L
17) Methyl tert-butyl Ether	4.93	73	146460	4.322	ug/L 99
18) trans-1,2-Dichloroethene	4.91	96	141835	4.330	ug/L 90
19) 1,1-Dichloroethane	5.72	63	256946	4.183	ug/L 99
21) 2-Butanone	6.72	43	136356	46.868	ug/L 99
22) cis-1,2-Dichloroethene	6.70	96	137824	4.390	ug/L # 95

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

23) Bromochloromethane	7.07	128	38506	4.410	uq/L	87
25) Chloroform	7.26	83	246902	4.193	uq/L	98
27) 1,2-Dichloroethane	8.01	62	95699	4.621	uq/L	95
29) 1,1,1-Trichloroethane	7.45	97	193886	4.197	uq/L	98
30) Cyclohexane	7.54	56	226048	4.590	uq/L	100
31) Carbon tetrachloride	7.66	117	175497	4.486	uq/L	99
33) Benzene	7.93	78	561994	4.414	uq/L	100
34) Trichloroethene	8.73	95	138762	4.375	uq/L	97
35) Methylcyclohexane	8.97	83	227474	4.763	uq/L	99
37) 1,2-Dichloropropane	9.02	63	111563	4.339	uq/L	100
38) Bromodichloromethane	9.30	83	120366	4.397	uq/L #	99
39) cis-1,3-Dichloropropene	9.74	75	121575	4.461	uq/L	96
40) 4-Methyl-2-pentanone	9.88	43	306981	47.668	uq/L	99
42) Toluene	10.05	91	539200	4.849	uq/L	100
44) trans-1,3-Dichloropropene	10.28	75	81064	4.627	uq/L	93
45) 1,1,2-Trichloroethane	10.46	97	51723	4.721	uq/L	89
47) Tetrachloroethene	10.53	164	85295	4.555	uq/L	95
48) 2-Hexanone	10.65	43	194789	47.588	uq/L	99
49) Dibromochloromethane	10.80	129	56352	4.717	uq/L	85
50) 1,2-Dibromoethane	10.90	107	41039	4.318	uq/L	97
51) Chlorobenzene	11.33	112	298814	4.624	uq/L	99
52) Ethylbenzene	11.41	91	606894	4.811	uq/L	99
53) m,p-Xylene	11.52	106	222442	4.931	uq/L	99
54) o-Xylene	11.84	106	213740	4.801	uq/L	96
55) Styrene	11.86	104	321200	5.032	uq/L	98
56) Isopropylbenzene	12.15	105	636860	5.063	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.40	83	59267	4.669	uq/L	96
59) 1,2,3-Trichloropropane	12.45	75	41436	4.450	uq/L	96
61) Bromoform	12.02	173	22925	4.340	uq/L	98
62) 1,3-Dichlorobenzene	13.18	146	219237	4.562	uq/L	98
63) 1,4-Dichlorobenzene	13.26	146	212733	4.454	uq/L	98
65) 1,2-Dichlorobenzene	13.55	146	184303	4.526	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.16	75	9087	4.474	uq/L #	87
67) 1,3,5-Trichlorobenzene	14.31	180	187248	4.810	uq/L	99
68) 1,2,4-trichlorobenzene	14.80	180	130285	4.744	uq/L	98
69) Naphthalene	15.02	128	166681	4.564	uq/L	99
70) 1,2,3-Trichlorobenzene	15.20	180	125017	5.139	uq/L	95

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

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