

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026078.D
 Acq On : 15 Oct 2018 17:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 3:12:56 PM

Quant Time: Oct 16 08:22:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 15 17:34:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	679228	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	579226	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	219150	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	267725	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	2.63	69	223883	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	3.63	63	651612	4.46	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	6.59	46	239609	49.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.20%
24) Chloroform-d	7.20	84	431035	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	7.90	65	184033	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	7.85	84	852484	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	8.90	67	221186	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	9.97	98	831218	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	10.24	79	59916	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	10.59	63	196074	53.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	91216	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	161754	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	200077	4.385 ug/L	96
3) Chloromethane	2.01	50	341488	4.713 ug/L	96
5) Vinyl chloride	2.16	62	327010	4.531 ug/L	97
6) Bromomethane	2.53	94	209722	4.400 ug/L	96
8) Chloroethane	2.66	64	207839	4.647 ug/L	97
9) Trichlorofluoromethane	2.93	101	503004m	4.827 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	291280	4.689 ug/L	99
12) 1,1-Dichloroethene	3.63	96	310719	4.704 ug/L	92
13) Acetone	3.69	43	246102	48.780 ug/L	96
14) Carbon disulfide	3.94	76	831828	4.817 ug/L	99
15) Methyl Acetate	4.19	43	64063	4.861 ug/L	99
16) Methylene chloride	4.40	84	273738	4.570 ug/L	95
17) Methyl tert-butyl Ether	4.90	73	296093	4.938 ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	238506	4.775 ug/L	99
19) 1,1-Dichloroethane	5.69	63	449514	4.793 ug/L	99
21) 2-Butanone	6.69	43	292026	50.175 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	234303	4.959 ug/L #	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	63802	4.814	uq/L	86
25) Chloroform	7.23	83	437805	4.783	uq/L	97
27) 1,2-Dichloroethane	7.99	62	215452	4.809	uq/L	99
29) 1,1,1-Trichloroethane	7.43	97	383370	4.844	uq/L	99
30) Cyclohexane	7.51	56	409053	5.149	uq/L	98
31) Carbon tetrachloride	7.64	117	348729	4.846	uq/L	98
33) Benzene	7.91	78	1052541	4.843	uq/L	100
34) Trichloroethene	8.71	95	270647	4.865	uq/L	96
35) Methylcyclohexane	8.95	83	420116	5.073	uq/L	98
37) 1,2-Dichloropropane	9.00	63	222088	4.843	uq/L	99
38) Bromodichloromethane	9.28	83	248139	5.032	uq/L	96
39) cis-1,3-Dichloropropene	9.72	75	268020	5.107	uq/L	99
40) 4-Methyl-2-pentanone	9.87	43	738521	52.738	uq/L	99
42) Toluene	10.04	91	1139067	4.966	uq/L	100
44) trans-1,3-Dichloropropene	10.26	75	188294	5.135	uq/L	97
45) 1,1,2-Trichloroethane	10.45	97	94770	4.900	uq/L	93
47) Tetrachloroethene	10.51	164	181934	4.580	uq/L	96
48) 2-Hexanone	10.63	43	487962	53.351	uq/L	99
49) Dibromochloromethane	10.79	129	113944	5.235	uq/L	99
50) 1,2-Dibromoethane	10.89	107	84507	5.057	uq/L	91
51) Chlorobenzene	11.32	112	620717	4.888	uq/L	98
52) Ethylbenzene	11.39	91	1331855	5.049	uq/L	100
53) m,p-Xylene	11.50	106	485947	5.056	uq/L	99
54) o-Xylene	11.83	106	447721	5.081	uq/L	98
55) Styrene	11.84	104	704048	5.191	uq/L	98
56) Isopropylbenzene	12.13	105	1274785	5.209	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	92734	4.717	uq/L	94
59) 1,2,3-Trichloropropane	12.43	75	70194	4.864	uq/L	100
61) Bromoform	12.01	173	36742	4.823	uq/L	97
62) 1,3-Dichlorobenzene	13.16	146	355925	4.889	uq/L	97
63) 1,4-Dichlorobenzene	13.24	146	362471	4.807	uq/L	94
65) 1,2-Dichlorobenzene	13.53	146	284592	4.871	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	10190	4.280	uq/L #	93
67) 1,3,5-Trichlorobenzene	14.29	180	210182	4.738	uq/L	98
68) 1,2,4-trichlorobenzene	14.79	180	126121	4.871	uq/L	99
69) Naphthalene	15.00	128	126510	5.032	uq/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	87653	4.874	uq/L	98

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

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