

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100918\
 Data File : VR026019.D
 Acq On : 9 Oct 2018 18:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:54:59 PM

Quant Time: Oct 10 07:06:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 10 05:39:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	443657	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	399010	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	163127	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	155331	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	2.62	69	148902	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	3.63	63	389673	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	6.59	46	212012	54.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.72%
24) Chloroform-d	7.20	84	300801	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	7.90	65	136772	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	7.85	84	568261	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	8.90	67	165402	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	9.97	98	541960	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	10.24	79	42544	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	10.59	63	182685	58.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.94%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80696	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	123645	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	105729	3.921	ug/L	91
3) Chloromethane	2.02	50	191448	4.993	ug/L	92
5) Vinyl chloride	2.17	62	195328	5.118	ug/L	97
6) Bromomethane	2.52	94	125830	5.280	ug/L	96
8) Chloroethane	2.66	64	124847	5.749	ug/L	100
9) Trichlorofluoromethane	2.99	101	295435m	5.575	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	171222	5.286	ug/L	94
12) 1,1-Dichloroethene	3.65	96	176452	5.269	ug/L	85
13) Acetone	3.70	43	127603	45.138	ug/L	96
14) Carbon disulfide	3.95	76	378978	4.674	ug/L	99
15) Methyl Acetate	4.20	43	38149	4.867	ug/L	92
16) Methylene chloride	4.40	84	167128	5.427	ug/L	84
17) Methyl tert-butyl Ether	4.90	73	189287	5.104	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	128719	4.647	ug/L	95
19) 1,1-Dichloroethane	5.69	63	257024	4.687	ug/L	95
21) 2-Butanone	6.70	43	190621	49.025	ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	133230	4.780	ug/L #	98

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

23) Bromochloromethane	7.05	128	40688	5.381	ug/L #	81
25) Chloroform	7.23	83	264199	4.947	ug/L	99
27) 1,2-Dichloroethane	7.99	62	135902	5.100	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	207820	4.632	ug/L	99
30) Cyclohexane	7.52	56	210219	3.750	ug/L	95
31) Carbon tetrachloride	7.63	117	184167	4.740	ug/L	98
33) Benzene	7.91	78	596307	4.456	ug/L	100
34) Trichloroethene	8.71	95	147119	4.172	ug/L	91
35) Methylcyclohexane	8.96	83	212463	4.007	ug/L	96
37) 1,2-Dichloropropane	9.00	63	133095	4.636	ug/L	98
38) Bromodichloromethane	9.28	83	150465	4.857	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	164015	5.095	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	527487	52.249	ug/L	98
42) Toluene	10.04	91	664599	4.779	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	115007	5.472	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	63141	4.862	ug/L	97
47) Tetrachloroethene	10.51	164	100399	4.621	ug/L	94
48) 2-Hexanone	10.63	43	358975	54.309	ug/L	96
49) Dibromochloromethane	10.79	129	70617	5.358	ug/L	94
50) 1,2-Dibromoethane	10.89	107	52557	5.129	ug/L #	94
51) Chlorobenzene	11.32	112	362060	4.908	ug/L	93
52) Ethylbenzene	11.39	91	767122	4.833	ug/L	98
53) m,p-Xylene	11.50	106	273742	4.844	ug/L	96
54) o-Xylene	11.83	106	256913	4.884	ug/L	91
55) Styrene	11.84	104	422304	5.158	ug/L	95
56) Isopropylbenzene	12.13	105	737101	5.081	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	65945	5.270	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	48343	5.191	ug/L	96
61) Bromoform	12.01	173	24268	4.921	ug/L #	92
62) 1,3-Dichlorobenzene	13.16	146	213046	4.469	ug/L	91
63) 1,4-Dichlorobenzene	13.24	146	222579	4.564	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	181526	4.739	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	6141	3.813	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	132809	4.676	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	85978	4.749	ug/L	97
69) Naphthalene	15.00	128	102826	4.451	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	62927	5.010	ug/L	99

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

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