

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091418\
 Data File : VR025738.D
 Acq On : 14 Sep 2018 19:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00504

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:11:26 PM

Quant Time: Sep 15 04:30:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 15 03:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	711958	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	624576	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	270446	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	113990	3.68	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	2.63	69	106501	4.20	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	3.63	63	370258	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	6.59	46	165835	53.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.14%
24) Chloroform-d	7.20	84	332521	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	7.90	65	114850	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	7.85	84	767097	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	8.89	67	199181	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.60%
41) Toluene-d8	9.97	98	753815	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	10.24	79	40946	3.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.00%
46) 2-Hexanone-d5	10.59	63	190924	56.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	101353	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	167549	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	162310	4.471 ug/L	97
3) Chloromethane	2.01	50	189085	4.243 ug/L	94
5) Vinyl chloride	2.17	62	204990	4.628 ug/L	95
6) Bromomethane	2.53	94	146480	4.620 ug/L	87
8) Chloroethane	2.66	64	119524	4.595 ug/L	99
9) Trichlorofluoromethane	2.93	101	386448m	4.732 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	220949	5.021 ug/L	95
12) 1,1-Dichloroethene	3.66	96	211678	4.558 ug/L	80
13) Acetone	3.70	43	132264	62.811 ug/L	98
14) Carbon disulfide	3.96	76	517514	4.722 ug/L	95
15) Methyl Acetate	4.19	43	35599	4.742 ug/L	100
16) Methylene chloride	4.40	84	194816	4.737 ug/L	91
17) Methyl tert-butyl Ether	4.90	73	266434	4.663 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	273470	4.817 ug/L	90
19) 1,1-Dichloroethane	5.69	63	398558	4.553 ug/L	95
21) 2-Butanone	6.69	43	255729	57.546 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	245562	4.972 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	79740	4.706	ug/L	95
25) Chloroform	7.23	83	385168	4.816	ug/L	100
27) 1,2-Dichloroethane	7.99	62	148923	4.719	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	288098	4.631	ug/L	99
30) Cyclohexane	7.52	56	371401	4.968	ug/L	98
31) Carbon tetrachloride	7.64	117	285283	4.730	ug/L	96
33) Benzene	7.91	78	1069607	4.807	ug/L	100
34) Trichloroethene	8.71	95	243144	4.508	ug/L	99
35) Methylcyclohexane	8.95	83	440317	5.290	ug/L	97
37) 1,2-Dichloropropane	9.00	63	231678	4.618	ug/L	99
38) Bromodichloromethane	9.28	83	205441	4.560	ug/L	92
39) cis-1,3-Dichloropropene	9.72	75	235656	4.594	ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	676113	54.524	ug/L	98
42) Toluene	10.03	91	1172193	5.146	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	161438	4.474	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	106074	4.514	ug/L	94
47) Tetrachloroethene	10.51	164	212180	4.804	ug/L	99
48) 2-Hexanone	10.63	43	462746	53.211	ug/L	98
49) Dibromochloromethane	10.79	129	116083	4.638	ug/L	100
50) 1,2-Dibromoethane	10.88	107	83032	4.448	ug/L #	93
51) Chlorobenzene	11.32	112	691642	4.831	ug/L	98
52) Ethylbenzene	11.39	91	1283839	5.231	ug/L	98
53) m,p-Xylene	11.50	106	506130	5.125	ug/L	99
54) o-Xylene	11.83	106	462247	5.313	ug/L	99
55) Styrene	11.84	104	741914	5.296	ug/L	98
56) Isopropylbenzene	12.13	105	1227998	5.665	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	110638	4.834	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	73279	4.761	ug/L	100
61) Bromoform	12.01	173	42852	3.703	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	385747	4.566	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	444175	4.623	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	351875	4.828	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	9031	4.214	ug/L	87
67) 1,3,5-Trichlorobenzene	14.29	180	255009	5.077	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	147997	4.804	ug/L	97
69) Naphthalene	15.00	128	151513	4.397	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	121751	4.993	ug/L	96

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

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