

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100118\
 Data File : VR025919.D
 Acq On : 1 Oct 2018 19:00
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 6:05:32 PM

Quant Time: Oct 02 02:20:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 01:45:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	518304	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	455036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	173316	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	163123	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	2.63	69	149632	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	3.63	63	429346	4.47	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	6.59	46	242809	53.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.58%
24) Chloroform-d	7.20	84	324827	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	7.90	65	146892	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	7.85	84	634635	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	8.90	67	177098	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	9.97	98	603496	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	10.24	79	42653	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	10.59	63	188428	53.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.68%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79540	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	123649	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	138754	4.404	ug/L	97
3) Chloromethane	2.01	50	203643	4.546	ug/L	98
5) Vinyl chloride	2.17	62	193138	4.332	ug/L	96
6) Bromomethane	2.52	94	122983	4.418	ug/L	96
8) Chloroethane	2.66	64	119176	4.698	ug/L	94
9) Trichlorofluoromethane	2.93	101	306461m	4.950	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	182141	4.813	ug/L	97
12) 1,1-Dichloroethene	3.65	96	175903	4.496	ug/L	90
13) Acetone	3.70	43	161247	48.825	ug/L	98
14) Carbon disulfide	3.95	76	406866	4.296	ug/L	99
15) Methyl Acetate	4.19	43	42859	4.680	ug/L	97
16) Methylene chloride	4.40	84	162109	4.506	ug/L	88
17) Methyl tert-butyl Ether	4.89	73	211930	4.891	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	144848	4.476	ug/L	91
19) 1,1-Dichloroethane	5.69	63	286689	4.475	ug/L	98
21) 2-Butanone	6.70	43	225913	49.733	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	145211	4.460	ug/L #	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	40603	4.597	ug/L	97
25) Chloroform	7.23	83	284027	4.553	ug/L	94
27) 1,2-Dichloroethane	7.99	62	149681	4.808	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	227157	4.439	ug/L	97
30) Cyclohexane	7.51	56	271986	4.254	ug/L	98
31) Carbon tetrachloride	7.63	117	203013	4.581	ug/L	97
33) Benzene	7.91	78	661270	4.333	ug/L	100
34) Trichloroethene	8.71	95	168911	4.200	ug/L	98
35) Methylcyclohexane	8.96	83	262098	4.335	ug/L	97
37) 1,2-Dichloropropane	9.00	63	144546	4.415	ug/L #	98
38) Bromodichloromethane	9.28	83	158355	4.483	ug/L #	90
39) cis-1,3-Dichloropropene	9.72	75	173896	4.737	ug/L	91
40) 4-Methyl-2-pentanone	9.87	43	572495	49.726	ug/L	97
42) Toluene	10.04	91	706065	4.452	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	121910	5.086	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	63927	4.316	ug/L	96
47) Tetrachloroethene	10.51	164	105897	4.273	ug/L	95
48) 2-Hexanone	10.63	43	382569	50.752	ug/L	97
49) Dibromochloromethane	10.79	129	70467	4.688	ug/L	98
50) 1,2-Dibromoethane	10.89	107	58574	5.012	ug/L #	86
51) Chlorobenzene	11.32	112	377711	4.490	ug/L	92
52) Ethylbenzene	11.39	91	815816	4.507	ug/L	99
53) m,p-Xylene	11.50	106	296596	4.603	ug/L	91
54) o-Xylene	11.83	106	270557	4.510	ug/L	97
55) Styrene	11.84	104	439355	4.706	ug/L	95
56) Isopropylbenzene	12.13	105	768062	4.642	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	67615	4.738	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	50201	4.727	ug/L	99
61) Bromoform	12.01	173	23991	4.579	ug/L #	94
62) 1,3-Dichlorobenzene	13.16	146	228622	4.513	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	229629	4.431	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	185213	4.551	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	7221	4.220	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.29	180	135546	4.492	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	84219	4.379	ug/L	97
69) Naphthalene	15.00	128	112465	4.582	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	61688	4.623	ug/L	97

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

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