

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR082918\
 Data File : VR025664.D
 Acq On : 29 Aug 2018 20:27
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 8/30/2018 10:58:44 AM

Quant Time: Aug 30 07:21:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 30 06:43:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	472671	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	423305	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	176980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	150515	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	2.63	69	126936	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	3.63	63	379264	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	6.60	46	159397	67.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.98%#
24) Chloroform-d	7.21	84	287068	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	7.89	65	103707	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	7.86	84	725081	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	8.90	67	188477	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	9.97	98	711462	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
43) trans-1,3-Dichloropropene-	10.24	79	42338	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	10.59	63	192260	70.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	141.16%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89541	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	154108	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	111887	4.273	ug/L	98
3) Chloromethane	2.01	50	142486	3.677	ug/L	100
5) Vinyl chloride	2.17	62	155270	4.093	ug/L	99
6) Bromomethane	2.53	94	105755	4.097	ug/L	91
8) Chloroethane	2.67	64	86579	3.711	ug/L	92
9) Trichlorofluoromethane	2.98	101	290878m	5.283	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	165005	4.919	ug/L	97
12) 1,1-Dichloroethene	3.65	96	166352	4.481	ug/L	91
13) Acetone	3.71	43	97243	66.579	ug/L	97
14) Carbon disulfide	3.96	76	352920	3.653	ug/L #	94
15) Methyl Acetate	4.19	43	30533	5.529	ug/L #	90
16) Methylene chloride	4.40	84	144502m	4.338	ug/L	
17) Methyl tert-butyl Ether	4.89	73	185071	4.862	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	177147	4.519	ug/L	89
19) 1,1-Dichloroethane	5.70	63	266318	4.395	ug/L	96
21) 2-Butanone	6.69	43	178947	62.172	ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	169623	5.035	ug/L #	98

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

23) Bromochloromethane	7.05	128	52682	5.101	ug/L	97
25) Chloroform	7.24	83	249487	4.740	ug/L	99
27) 1,2-Dichloroethane	8.00	62	100128	5.086	ug/L #	95
29) 1,1,1-Trichloroethane	7.43	97	176380	4.283	ug/L	98
30) Cyclohexane	7.52	56	241774	4.563	ug/L	97
31) Carbon tetrachloride	7.64	117	178255	4.932	ug/L	100
33) Benzene	7.91	78	717448	4.641	ug/L	100
34) Trichloroethene	8.71	95	156748	4.427	ug/L	99
35) Methylcyclohexane	8.96	83	282437	4.903	ug/L	99
37) 1,2-Dichloropropane	8.99	63	161150	4.749	ug/L #	97
38) Bromodichloromethane	9.29	83	140342	4.739	ug/L	91
39) cis-1,3-Dichloropropene	9.72	75	169849	4.883	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	504691	61.396	ug/L	99
42) Toluene	10.03	91	771508	5.086	ug/L	95
44) trans-1,3-Dichloropropene	10.27	75	121307	4.942	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	75999	5.076	ug/L	95
47) Tetrachloroethene	10.52	164	133392	4.926	ug/L	92
48) 2-Hexanone	10.64	43	344858	60.183	ug/L	100
49) Dibromochloromethane	10.79	129	80789	5.007	ug/L	98
50) 1,2-Dibromoethane	10.89	107	60158	5.071	ug/L	99
51) Chlorobenzene	11.31	112	462829	4.902	ug/L	98
52) Ethylbenzene	11.39	91	837794	5.173	ug/L	97
53) m,p-Xylene	11.50	106	332857	5.132	ug/L	92
54) o-Xylene	11.83	106	306656	5.307	ug/L	95
55) Styrene	11.85	104	494917	5.301	ug/L	98
56) Isopropylbenzene	12.13	105	783915	5.351	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	74876	4.838	ug/L	99
59) 1,2,3-Trichloropropane	12.44	75	51446	4.890	ug/L	91
61) Bromoform	12.01	173	32357	4.550	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	250295	4.575	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	293389	4.827	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	227670	4.833	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	5709	4.476	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.29	180	152422	4.930	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	91684	4.778	ug/L	97
69) Naphthalene	15.00	128	107218	4.525	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	78767	5.280	ug/L	100

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

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