

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101918\
 Data File : VR026145.D
 Acq On : 19 Oct 2018 12:25
 Operator : SY/MD
 Sample : MDL
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:17:36 PM

Quant Time: Oct 20 04:41:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 20 01:53:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	559175	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	472134	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	154900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	185456	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	2.63	69	192962	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	3.61	63	364863	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	6.59	46	223422	55.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.22%
24) Chloroform-d	7.20	84	343969	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	7.90	65	147559	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	7.85	84	655691	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	8.90	67	189036	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	9.97	98	580552	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	10.24	79	38448	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
46) 2-Hexanone-d5	10.59	63	165307	55.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.44%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76792	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	114327	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	11283m	0.300	ug/L	
3) Chloromethane	2.01	50	18054	0.303	ug/L	92
5) Vinyl chloride	2.16	62	17500	0.295	ug/L #	55
6) Bromomethane	2.52	94	12858	0.328	ug/L	100
8) Chloroethane	2.66	64	12890	0.350	ug/L	94
9) Trichlorofluoromethane	2.94	101	26512m	0.309	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	18054	0.353	ug/L	89
12) 1,1-Dichloroethene	3.63	96	20373	0.375	ug/L #	1
13) Acetone	3.70	43	16245	3.911	ug/L	95
14) Carbon disulfide	3.94	76	35186	0.248	ug/L #	91
15) Methyl Acetate	4.20	43	4593	0.423	ug/L	97
16) Methylene chloride	4.42	84	18660	0.378	ug/L	91
17) Methyl tert-butyl Ether	4.89	73	13735	0.278	ug/L #	89
18) trans-1,2-Dichloroethene	4.89	96	12012	0.292	ug/L	89
19) 1,1-Dichloroethane	5.69	63	22767	0.295	ug/L #	84
21) 2-Butanone	6.69	43	13759	2.872	ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	12392	0.319	ug/L #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	3523	0.323	ug/L	72
25) Chloroform	7.23	83	23036	0.306	ug/L	81
27) 1,2-Dichloroethane	8.00	62	11537	0.313	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	18748	0.291	ug/L	98
30) Cyclohexane	7.51	56	13317	0.206	ug/L	93
31) Carbon tetrachloride	7.65	117	16247	0.277	ug/L	91
33) Benzene	7.91	78	51691m	0.292	ug/L	
34) Trichloroethene	8.71	95	12932	0.285	ug/L	86
35) Methylcyclohexane	8.96	83	16586	0.246	ug/L	94
37) 1,2-Dichloropropane	9.00	63	11686	0.313	ug/L #	95
38) Bromodichloromethane	9.28	83	11448	0.285	ug/L #	75
39) cis-1,3-Dichloropropene	9.72	75	12091	0.283	ug/L	94
40) 4-Methyl-2-pentanone	9.86	43	27003	2.366	ug/L #	91
42) Toluene	10.03	91	53251	0.285	ug/L	91
44) trans-1,3-Dichloropropene	10.26	75	9458	0.316	ug/L	90
45) 1,1,2-Trichloroethane	10.45	97	5582	0.354	ug/L #	79
47) Tetrachloroethene	10.51	164	8917	0.275	ug/L	91
48) 2-Hexanone	10.63	43	22629	3.035	ug/L	97
49) Dibromochloromethane	10.79	129	5071	0.286	ug/L #	69
50) 1,2-Dibromoethane	10.89	107	4360	0.320	ug/L #	97
51) Chlorobenzene	11.32	112	29091	0.281	ug/L	91
52) Ethylbenzene	11.39	91	53728	0.250	ug/L	100
53) m,p-Xylene	11.50	106	16963	0.217	ug/L	98
54) o-Xylene	11.83	106	15094	0.210	ug/L	92
55) Styrene	11.84	104	19921	0.180	ug/L	93
56) Isopropylbenzene	12.13	105	39732	0.199	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	5371	0.335	ug/L	89
59) 1,2,3-Trichloropropane	12.43	75	3430m	0.292	ug/L	
61) Bromoform	12.00	173	1553	0.288	ug/L #	79
62) 1,3-Dichlorobenzene	13.16	146	13696	0.266	ug/L	86
63) 1,4-Dichlorobenzene	13.24	146	17735	0.333	ug/L #	91
65) 1,2-Dichlorobenzene	13.53	146	12724	0.308	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.14	75	416m	0.247	ug/L	
67) 1,3,5-Trichlorobenzene	14.29	180	8854	0.282	ug/L	90
68) 1,2,4-trichlorobenzene	14.79	180	5460	0.298	ug/L	89
69) Naphthalene	15.00	128	3683	0.207	ug/L #	87
70) 1,2,3-Trichlorobenzene	15.18	180	4016	0.316	ug/L	92

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

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