

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
 Data File : VR026236.D
 Acq On : 20 Nov 2018 18:45
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV93

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 5:40:08 PM

Quant Time: Nov 21 03:22:33 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Nov 20 18:31:34 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	673175	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	567401	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	227726	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	243536	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	2.63	69	214024	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	3.61	63	593579	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	6.59	46	215425	45.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.64%
24) Chloroform-d	7.20	84	456805	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	7.90	65	174742	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	7.85	84	897507	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	8.90	67	219987	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	9.97	98	836477	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	10.24	79	64090	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	10.59	63	170521	54.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	94622	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	186315	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	218495	4.636 ug/L	96
3) Chloromethane	2.01	50	280581	4.634 ug/L	94
5) Vinyl chloride	2.17	62	282882	4.752 ug/L	94
6) Bromomethane	2.52	94	183402	4.602 ug/L	96
8) Chloroethane	2.66	64	168078	4.513 ug/L	97
9) Trichlorofluoromethane	2.94	101	414082	4.581 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	231075	4.450 ug/L	100
12) 1,1-Dichloroethene	3.63	96	250670	4.438 ug/L	92
13) Acetone	3.70	43	159662m	44.675 ug/L	
14) Carbon disulfide	3.94	76	666477	4.726 ug/L	99
15) Methyl Acetate	4.20	43	39778	3.836 ug/L	95
16) Methylene chloride	4.41	84	218167	4.319 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	274088	4.692 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	232160	4.474 ug/L	97
19) 1,1-Dichloroethane	5.70	63	417460	4.483 ug/L	98
21) 2-Butanone	6.69	43	224277	44.577 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	215952	4.618 ug/L #	98

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

23) Bromochloromethane	7.06	128	61615	4.377	ug/L	95
25) Chloroform	7.23	83	422501	4.182	ug/L	100
27) 1,2-Dichloroethane	7.99	62	184349	4.481	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	352007	4.388	ug/L	100
30) Cyclohexane	7.52	56	339241	4.754	ug/L	98
31) Carbon tetrachloride	7.64	117	321011	4.402	ug/L	98
33) Benzene	7.91	78	924494	4.459	ug/L	100
34) Trichloroethene	8.71	95	238643	4.346	ug/L	95
35) Methylcyclohexane	8.95	83	345701	4.728	ug/L	99
37) 1,2-Dichloropropane	9.00	63	191373	4.460	ug/L	98
38) Bromodichloromethane	9.28	83	219477	4.382	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	235211	4.775	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	600634	50.368	ug/L	99
42) Toluene	10.04	91	1024548	4.136	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	156256	4.648	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	86034	4.659	ug/L	97
47) Tetrachloroethene	10.51	164	173750	4.308	ug/L	97
48) 2-Hexanone	10.63	43	401654	50.148	ug/L	99
49) Dibromochloromethane	10.79	129	105676	4.709	ug/L	96
50) 1,2-Dibromoethane	10.89	107	73606	4.571	ug/L	90
51) Chlorobenzene	11.32	112	551014	4.546	ug/L	97
52) Ethylbenzene	11.39	91	1146511	4.622	ug/L	100
53) m,p-Xylene	11.50	106	421962	4.613	ug/L	100
54) o-Xylene	11.83	106	392258	4.683	ug/L	92
55) Styrene	11.84	104	609908	4.771	ug/L	100
56) Isopropylbenzene	12.13	105	1087566	4.740	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	80455	4.476	ug/L	93
59) 1,2,3-Trichloropropane	12.43	75	62704	4.653	ug/L	96
61) Bromoform	12.01	173	39784	4.556	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	337949	4.661	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	349754	4.472	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	276379	4.642	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8734	4.387	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.29	180	209812	4.469	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	122549	4.616	ug/L	98
69) Naphthalene	15.00	128	128087	4.953	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	90297	4.755	ug/L	99

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

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