

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101818\
 Data File : VR026126.D
 Acq On : 18 Oct 2018 10:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 2:35:08 PM

Quant Time: Oct 19 04:40:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 02:46:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	605939	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	510217	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	192302	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	215503	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	2.62	69	207224	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	3.61	63	557702	4.28	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	6.58	46	188783	43.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.72%
24) Chloroform-d	7.20	84	366944	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	7.90	65	145541	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	7.85	84	675709	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	8.90	67	179764	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	9.97	98	625146	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	10.24	79	43332	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	10.59	63	152843	47.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.34%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	77089	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	122393	4.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	185650	4.561	ug/L	97
3) Chloromethane	2.01	50	325369	5.034	ug/L	99
5) Vinyl chloride	2.16	62	333794	5.184	ug/L	96
6) Bromomethane	2.52	94	219437	5.160	ug/L	95
8) Chloroethane	2.66	64	209474	5.250	ug/L	98
9) Trichlorofluoromethane	2.94	101	508930m	5.475	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	291117	5.253	ug/L	98
12) 1,1-Dichloroethene	3.63	96	305300	5.181	ug/L	81
13) Acetone	3.70	43	207611	46.128	ug/L	99
14) Carbon disulfide	3.93	76	872993	5.667	ug/L	99
15) Methyl Acetate	4.19	43	51286	4.362	ug/L	96
16) Methylene chloride	4.41	84	246217	4.608	ug/L	96
17) Methyl tert-butyl Ether	4.89	73	231026	4.319	ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	212515	4.769	ug/L	98
19) 1,1-Dichloroethane	5.69	63	386166	4.616	ug/L	99
21) 2-Butanone	6.69	43	224927	43.320	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	198699	4.714	ug/L #	99

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

23) Bromochloromethane	7.05	128	53240	4.503	ug/L	95
25) Chloroform	7.23	83	389114	4.766	ug/L	99
27) 1,2-Dichloroethane	7.99	62	175495	4.391	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	351465	5.041	ug/L	99
30) Cyclohexane	7.52	56	380356	5.435	ug/L	99
31) Carbon tetrachloride	7.63	117	313118	4.939	ug/L	98
33) Benzene	7.91	78	937743	4.898	ug/L	100
34) Trichloroethene	8.71	95	238156	4.860	ug/L	98
35) Methylcyclohexane	8.95	83	388828	5.330	ug/L	97
37) 1,2-Dichloropropane	9.00	63	188907	4.677	ug/L	100
38) Bromodichloromethane	9.28	83	208309	4.796	ug/L #	95
39) cis-1,3-Dichloropropene	9.72	75	223919	4.844	ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	540339	43.804	ug/L	99
42) Toluene	10.04	91	1012837	5.013	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	147923	4.580	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	79327	4.656	ug/L	95
47) Tetrachloroethene	10.51	164	168272	4.809	ug/L	99
48) 2-Hexanone	10.63	43	371242	46.080	ug/L	99
49) Dibromochloromethane	10.79	129	90020	4.695	ug/L	99
50) 1,2-Dibromoethane	10.89	107	64423	4.377	ug/L #	90
51) Chlorobenzene	11.32	112	525132	4.695	ug/L	96
52) Ethylbenzene	11.39	91	1206847	5.194	ug/L	99
53) m,p-Xylene	11.50	106	440405	5.202	ug/L	97
54) o-Xylene	11.83	106	394538	5.083	ug/L	100
55) Styrene	11.84	104	612723	5.129	ug/L	100
56) Isopropylbenzene	12.13	105	1170495	5.430	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	75279	4.347	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	57073	4.489	ug/L	99
61) Bromoform	12.01	173	31962	4.782	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	302485	4.735	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	306197	4.628	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	241890	4.718	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.15	75	7207	3.450	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	180195	4.629	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	99048	4.359	ug/L	98
69) Naphthalene	15.00	128	91399	4.143	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	69599	4.411	ug/L	96

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

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