

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100318\
 Data File : VR025941.D
 Acq On : 3 Oct 2018 16:00
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 2:47:10 PM

Quant Time: Oct 04 09:00:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 04 08:45:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	468138	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	407354	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	150901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	164050	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	2.63	69	148834	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	3.64	63	408814	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	6.59	46	215767	52.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.86%
24) Chloroform-d	7.20	84	306199	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	7.90	65	133963	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	7.85	84	578934	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	8.90	67	157663	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	9.97	98	546503	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	10.24	79	39079	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	10.59	63	165304	52.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.54%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	72615	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	111464	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	127285	4.473	ug/L	99
3) Chloromethane	2.02	50	201097	4.970	ug/L	94
5) Vinyl chloride	2.17	62	196830	4.888	ug/L	99
6) Bromomethane	2.52	94	124031	4.933	ug/L	95
8) Chloroethane	2.66	64	116854	5.100	ug/L	94
9) Trichlorofluoromethane	2.99	101	310017m	5.544	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	186112	5.445	ug/L	95
12) 1,1-Dichloroethene	3.66	96	173409	4.907	ug/L	93
13) Acetone	3.70	43	148113	49.654	ug/L	98
14) Carbon disulfide	3.96	76	381827	4.463	ug/L	100
15) Methyl Acetate	4.19	43	36537	4.418	ug/L	96
16) Methylene chloride	4.42	84	149698	4.607	ug/L	87
17) Methyl tert-butyl Ether	4.90	73	166756	4.261	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	124577	4.262	ug/L	96
19) 1,1-Dichloroethane	5.69	63	246461	4.259	ug/L	98
21) 2-Butanone	6.69	43	181980	44.355	ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	121315	4.125	ug/L #	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	34349	4.305	ug/L	89
25) Chloroform	7.23	83	244494	4.339	ug/L	100
27) 1,2-Dichloroethane	7.99	62	123700	4.399	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	197682	4.315	ug/L	96
30) Cyclohexane	7.51	56	248343	4.339	ug/L	97
31) Carbon tetrachloride	7.64	117	182866	4.610	ug/L	98
33) Benzene	7.91	78	567590	4.154	ug/L	100
34) Trichloroethene	8.71	95	144910	4.025	ug/L	92
35) Methylcyclohexane	8.96	83	246851	4.560	ug/L	99
37) 1,2-Dichloropropane	9.00	63	126900	4.329	ug/L #	97
38) Bromodichloromethane	9.28	83	140675	4.448	ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	151272	4.603	ug/L	95
40) 4-Methyl-2-pentanone	9.87	43	454683	44.115	ug/L	96
42) Toluene	10.04	91	611842	4.310	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	101536	4.732	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	53629	4.045	ug/L	98
47) Tetrachloroethene	10.51	164	95297	4.296	ug/L	94
48) 2-Hexanone	10.63	43	308423	45.705	ug/L	97
49) Dibromochloromethane	10.79	129	57634	4.284	ug/L	99
50) 1,2-Dibromoethane	10.89	107	44702	4.273	ug/L	95
51) Chlorobenzene	11.32	112	322953	4.288	ug/L	96
52) Ethylbenzene	11.39	91	727864	4.492	ug/L	99
53) m,p-Xylene	11.50	106	253488	4.394	ug/L	95
54) o-Xylene	11.83	106	233639	4.351	ug/L	96
55) Styrene	11.84	104	372876	4.461	ug/L	96
56) Isopropylbenzene	12.13	105	683904	4.617	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	55847	4.372	ug/L #	98
59) 1,2,3-Trichloropropane	12.43	75	42173	4.436	ug/L	98
61) Bromoform	12.01	173	19837	4.348	ug/L #	95
62) 1,3-Dichlorobenzene	13.16	146	192317	4.361	ug/L	87
63) 1,4-Dichlorobenzene	13.24	146	189196	4.194	ug/L	100
65) 1,2-Dichlorobenzene	13.53	146	148652	4.195	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	5597	3.756	ug/L #	89
67) 1,3,5-Trichlorobenzene	14.29	180	118225	4.500	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	70941	4.236	ug/L	95
69) Naphthalene	15.00	128	89069	4.167	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	51464	4.429	ug/L	97

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

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