

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR102618\
 Data File : VR026159.D
 Acq On : 26 Oct 2018 16:29
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 11:40:12 AM

Quant Time: Oct 26 23:37:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 26 23:25:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	670550	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	581438	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	224802	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	225225	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	2.63	69	199092	3.95	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	3.61	63	607636	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	6.59	46	211269	43.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.70%
24) Chloroform-d	7.20	84	412462	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	7.90	65	168867	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	7.85	84	803323	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	8.90	67	214316	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	9.97	98	802797	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	10.23	79	55790	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	10.59	63	180304	49.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	87398	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	154716	4.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	194872	4.327	ug/L	100
3) Chloromethane	2.02	50	296155	4.141	ug/L	93
5) Vinyl chloride	2.17	62	296091	4.155	ug/L	99
6) Bromomethane	2.53	94	186937	3.972	ug/L	95
8) Chloroethane	2.66	64	189950	4.302	ug/L	98
9) Trichlorofluoromethane	2.93	101	475961m	4.627	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	277452	4.524	ug/L	99
12) 1,1-Dichloroethene	3.63	96	286823	4.399	ug/L	91
13) Acetone	3.70	43	224429	45.060	ug/L	98
14) Carbon disulfide	3.94	76	759226	4.454	ug/L	100
15) Methyl Acetate	4.19	43	57444	4.415	ug/L	94
16) Methylene chloride	4.40	84	256254	4.334	ug/L	96
17) Methyl tert-butyl Ether	4.90	73	264535	4.469	ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	225768	4.578	ug/L	98
19) 1,1-Dichloroethane	5.69	63	419978	4.536	ug/L	98
21) 2-Butanone	6.69	43	270980	47.161	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	216679	4.645	ug/L #	96

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

23) Bromochloromethane	7.04	128	59891	4.577	uq/L	92
25) Chloroform	7.23	83	425102	4.705	uq/L	96
27) 1,2-Dichloroethane	7.99	62	201681	4.560	uq/L	100
29) 1,1,1-Trichloroethane	7.43	97	361723	4.553	uq/L	100
30) Cyclohexane	7.51	56	374783	4.699	uq/L	100
31) Carbon tetrachloride	7.64	117	333411	4.615	uq/L	97
33) Benzene	7.91	78	998826	4.578	uq/L	100
34) Trichloroethene	8.71	95	254301	4.554	uq/L	93
35) Methylcyclohexane	8.95	83	395778	4.761	uq/L	99
37) 1,2-Dichloropropane	9.00	63	209426	4.550	uq/L	100
38) Bromodichloromethane	9.28	83	237040	4.789	uq/L	99
39) cis-1,3-Dichloropropene	9.72	75	250116	4.748	uq/L	97
40) 4-Methyl-2-pentanone	9.87	43	677643	48.206	uq/L	99
42) Toluene	10.04	91	1087433	4.723	uq/L	99
44) trans-1,3-Dichloropropene	10.26	75	174299	4.735	uq/L	99
45) 1,1,2-Trichloroethane	10.45	97	93679	4.825	uq/L	99
47) Tetrachloroethene	10.51	164	178912	4.487	uq/L	95
48) 2-Hexanone	10.63	43	448241	48.822	uq/L	99
49) Dibromochloromethane	10.79	129	106258	4.863	uq/L	96
50) 1,2-Dibromoethane	10.89	107	74851	4.462	uq/L #	85
51) Chlorobenzene	11.32	112	580491	4.554	uq/L	98
52) Ethylbenzene	11.39	91	1263776	4.773	uq/L	100
53) m,p-Xylene	11.50	106	452564	4.691	uq/L	95
54) o-Xylene	11.83	106	428474	4.844	uq/L	98
55) Styrene	11.84	104	666225	4.894	uq/L	98
56) Isopropylbenzene	12.13	105	1210483	4.928	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	91379	4.631	uq/L	97
59) 1,2,3-Trichloropropane	12.43	75	66076	4.561	uq/L	98
61) Bromoform	12.01	173	37274	4.770	uq/L	97
62) 1,3-Dichlorobenzene	13.16	146	338125	4.528	uq/L	96
63) 1,4-Dichlorobenzene	13.24	146	351652	4.547	uq/L	96
65) 1,2-Dichlorobenzene	13.53	146	275697	4.600	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	8162	3.342	uq/L #	88
67) 1,3,5-Trichlorobenzene	14.29	180	206222	4.532	uq/L	96
68) 1,2,4-trichlorobenzene	14.79	180	121338	4.568	uq/L	98
69) Naphthalene	15.00	128	117654	4.562	uq/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	89447	4.849	uq/L	97

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

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