

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR102618\
 Data File : VR026155.D
 Acq On : 26 Oct 2018 10:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 23:25:03 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	776730	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	650089	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	256761	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	254092	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	2.63	69	235426	4.03	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.60%
11) 1,1-Dichloroethene-d2	3.61	63	674136	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	6.59	46	246675	44.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.40%
24) Chloroform-d	7.20	84	507759	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	7.90	65	190124	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	7.85	84	942257	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	8.90	67	238755	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	9.97	98	838002	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	10.24	79	63294	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	10.59	63	195254	47.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.60%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	101500	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	178162	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	263389	5.048	ug/L 98
3) Chloromethane	2.03	50	344528	4.158	ug/L 98
5) Vinyl chloride	2.17	62	354189	4.291	ug/L 100
6) Bromomethane	2.53	94	226638	4.158	ug/L 97
8) Chloroethane	2.66	64	211773	4.141	ug/L 99
9) Trichlorofluoromethane	2.94	101	551792m	4.631	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	320695	4.514	ug/L 98
12) 1,1-Dichloroethene	3.63	96	331767	4.392	ug/L 92
13) Acetone	3.70	43	215790	37.403	ug/L 100
14) Carbon disulfide	3.94	76	919369	4.656	ug/L 98
15) Methyl Acetate	4.19	43	54081	3.588	ug/L 98
16) Methylene chloride	4.41	84	270657	3.952	ug/L 96
17) Methyl tert-butyl Ether	4.90	73	302764	4.415	ug/L 98
18) trans-1,2-Dichloroethene	4.88	96	285439	4.997	ug/L 95
19) 1,1-Dichloroethane	5.70	63	509648	4.752	ug/L 94
21) 2-Butanone	6.69	43	271797	40.837	ug/L 98
22) cis-1,2-Dichloroethene	6.68	96	256983	4.756	ug/L # 98

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

23) Bromochloromethane	7.05	128	69418	4.580	uq/L	96
25) Chloroform	7.23	83	490142	4.683	uq/L	94
27) 1,2-Dichloroethane	7.99	62	214579	4.188	uq/L #	96
29) 1,1,1-Trichloroethane	7.43	97	461057	5.190	uq/L	98
30) Cyclohexane	7.52	56	468402	5.253	uq/L	99
31) Carbon tetrachloride	7.63	117	410575	5.083	uq/L	97
33) Benzene	7.91	78	1148712	4.709	uq/L	100
34) Trichloroethene	8.71	95	307191	4.920	uq/L	98
35) Methylcyclohexane	8.95	83	466901	5.023	uq/L	97
37) 1,2-Dichloropropane	9.00	63	227668	4.424	uq/L	99
38) Bromodichloromethane	9.28	83	253592	4.582	uq/L	96
39) cis-1,3-Dichloropropene	9.72	75	273292	4.640	uq/L	95
40) 4-Methyl-2-pentanone	9.87	43	650530	41.390	uq/L	100
42) Toluene	10.04	91	1192531	4.632	uq/L	98
44) trans-1,3-Dichloropropene	10.26	75	189724	4.610	uq/L	93
45) 1,1,2-Trichloroethane	10.45	97	95158	4.384	uq/L	99
47) Tetrachloroethene	10.51	164	216751	4.862	uq/L	98
48) 2-Hexanone	10.63	43	440443	42.906	uq/L	100
49) Dibromochloromethane	10.79	129	116357	4.763	uq/L	98
50) 1,2-Dibromoethane	10.89	107	83750	4.466	uq/L #	95
51) Chlorobenzene	11.32	112	650371	4.563	uq/L	99
52) Ethylbenzene	11.39	91	1443115	4.875	uq/L	99
53) m,p-Xylene	11.50	106	530855	4.921	uq/L	98
54) o-Xylene	11.83	106	487146	4.926	uq/L	99
55) Styrene	11.84	104	733784	4.821	uq/L	100
56) Isopropylbenzene	12.13	105	1424707	5.187	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	95275	4.318	uq/L	93
59) 1,2,3-Trichloropropane	12.43	75	68773	4.246	uq/L	98
61) Bromoform	12.01	173	39971	4.479	uq/L	98
62) 1,3-Dichlorobenzene	13.16	146	401143	4.703	uq/L	96
63) 1,4-Dichlorobenzene	13.24	146	409425	4.635	uq/L	93
65) 1,2-Dichlorobenzene	13.53	146	306747	4.481	uq/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	9219	3.305	uq/L	92
67) 1,3,5-Trichlorobenzene	14.29	180	237046	4.561	uq/L	99
68) 1,2,4-trichlorobenzene	14.78	180	136552	4.501	uq/L	98
69) Naphthalene	15.00	128	125463	4.259	uq/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	93342	4.430	uq/L	100

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

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