

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR061618\
 Data File : VR025323.D
 Acq On : 16 Jun 2018 14:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00586

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 1:09:09 PM

Quant Time: Jun 18 02:37:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 15 16:03:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	657153	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	559325	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	211130	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	123429	5.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.20%
7) Chloroethane-d5	2.64	69	95467	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	3.63	63	303929	5.28	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.60%
20) 2-Butanone-d5	6.59	46	275810	45.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.94%
24) Chloroform-d	7.20	84	396931	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	7.89	65	150207	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	7.86	84	906387	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	8.90	67	248375	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	9.97	98	828943	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	10.24	79	56902	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	10.59	63	233347	46.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	107726	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	171923	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	195235	4.596	ug/L 100
3) Chloromethane	2.01	50	142334	4.629	ug/L 93
5) Vinyl chloride	2.16	62	134054	4.926	ug/L 96
6) Bromomethane	2.53	94	74721	5.633	ug/L 97
8) Chloroethane	2.66	64	76898	5.413	ug/L 94
9) Trichlorofluoromethane	2.97	101	221267m	5.567	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	124920	5.358	ug/L 98
12) 1,1-Dichloroethene	3.65	96	118169	5.115	ug/L 82
13) Acetone	3.70	43	134966	49.809	ug/L 96
14) Carbon disulfide	3.96	76	242291	4.985	ug/L 100
15) Methyl Acetate	4.19	43	29162	4.280	ug/L 97
16) Methylene chloride	4.41	84	104838	4.988	ug/L 91
17) Methyl tert-butyl Ether	4.89	73	276140	4.010	ug/L 99
18) trans-1,2-Dichloroethene	4.89	96	229165	4.826	ug/L 95
19) 1,1-Dichloroethane	5.69	63	400424	4.488	ug/L 98
21) 2-Butanone	6.69	43	299284	46.729	ug/L 100
22) cis-1,2-Dichloroethene	6.68	96	230965	4.661	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	66428	4.577	ug/L	95
25) Chloroform	7.23	83	374175	4.588	ug/L	97
27) 1,2-Dichloroethane	7.99	62	163718m	4.398	ug/L	
29) 1,1,1-Trichloroethane	7.42	97	278864	4.198	ug/L	98
30) Cyclohexane	7.52	56	358716	4.230	ug/L	100
31) Carbon tetrachloride	7.64	117	243032	4.167	ug/L	99
33) Benzene	7.91	78	980814	4.466	ug/L	100
34) Trichloroethene	8.71	95	223935	4.215	ug/L	97
35) Methylcyclohexane	8.96	83	375065	4.474	ug/L	98
37) 1,2-Dichloropropane	8.99	63	220395	4.514	ug/L	99
38) Bromodichloromethane	9.28	83	200601	4.237	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	246009	4.279	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	706033	44.692	ug/L	98
42) Toluene	10.03	91	1013528	4.307	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	168711	4.266	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	99110	4.373	ug/L	95
47) Tetrachloroethene	10.51	164	154794	4.364	ug/L	96
48) 2-Hexanone	10.63	43	474380	47.107	ug/L	97
49) Dibromochloromethane	10.78	129	92951	4.260	ug/L	93
50) 1,2-Dibromoethane	10.89	107	76795	4.227	ug/L	96
51) Chlorobenzene	11.31	112	560230	4.445	ug/L	97
52) Ethylbenzene	11.39	91	1114979	4.776	ug/L	97
53) m,p-Xylene	11.50	106	407362	4.570	ug/L	100
54) o-Xylene	11.83	106	367801	4.617	ug/L	97
55) Styrene	11.85	104	597148	4.878	ug/L	91
56) Isopropylbenzene	12.13	105	1049626	4.901	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	97974	4.668	ug/L #	98
59) 1,2,3-Trichloropropane	12.44	75	67569	4.461	ug/L	94
61) Bromoform	12.01	173	29875	3.967	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	329865	4.452	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	349162	4.713	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	285490	4.808	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8324	3.548	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	230913	4.706	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	146495	4.288	ug/L	98
69) Naphthalene	15.00	128	186778	4.201	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	118769	4.492	ug/L	99

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

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