

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101018\
 Data File : VR026021.D
 Acq On : 10 Oct 2018 9:55
 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
 10/11/2018 6:29:06 PM

Quant Time: Oct 11 04:12:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 10 05:39:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	487024	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	417667	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	163373	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	214213	5.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.60%
7) Chloroethane-d5	2.63	69	180183	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	3.63	63	499361	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.80%
20) 2-Butanone-d5	6.59	46	208334	48.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.32%
24) Chloroform-d	7.20	84	351195	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	7.89	65	154744	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	7.85	84	704318	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	8.90	67	184777	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	9.97	98	681659	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	10.23	79	49154	5.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.60%
46) 2-Hexanone-d5	10.59	63	170246	52.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.00%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80251	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	130145	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	121489	4.104 ug/L	99
3) Chloromethane	2.01	50	201297	4.782 ug/L	100
5) Vinyl chloride	2.17	62	197504	4.714 ug/L	97
6) Bromomethane	2.52	94	115755	4.425 ug/L	96
8) Chloroethane	2.66	64	116652	4.894 ug/L	99
9) Trichlorofluoromethane	2.94	101	314107m	5.399 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	186259	5.238 ug/L #	82
12) 1,1-Dichloroethene	3.65	96	187731	5.106 ug/L	86
13) Acetone	3.69	43	162636	52.408 ug/L	96
14) Carbon disulfide	3.94	76	416400	4.679 ug/L	100
15) Methyl Acetate	4.19	43	43950	5.108 ug/L	96
16) Methylene chloride	4.40	84	159560	4.720 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	188183	4.622 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	138314	4.549 ug/L	86
19) 1,1-Dichloroethane	5.69	63	273341	4.540 ug/L	99
21) 2-Butanone	6.69	43	195522	45.807 ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	140637	4.597 ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	37711	4.544	ug/L	87
25) Chloroform	7.23	83	278946	4.758	ug/L	97
27) 1,2-Dichloroethane	7.99	62	135126	4.619	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	228345	4.862	ug/L	99
30) Cyclohexane	7.51	56	233275	3.975	ug/L	96
31) Carbon tetrachloride	7.63	117	209936	5.161	ug/L	100
33) Benzene	7.90	78	627497	4.479	ug/L	100
34) Trichloroethene	8.71	95	161533	4.376	ug/L	92
35) Methylcyclohexane	8.95	83	247136	4.453	ug/L	96
37) 1,2-Dichloropropane	9.00	63	137483	4.575	ug/L	99
38) Bromodichloromethane	9.28	83	156725	4.833	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	171030	5.076	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	499233	47.242	ug/L	98
42) Toluene	10.03	91	692840	4.760	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	120013	5.455	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	61549	4.528	ug/L	95
47) Tetrachloroethene	10.51	164	106994	4.704	ug/L	91
48) 2-Hexanone	10.63	43	342005	49.430	ug/L	96
49) Dibromochloromethane	10.79	129	69437	5.033	ug/L	100
50) 1,2-Dibromoethane	10.89	107	54338	5.066	ug/L #	94
51) Chlorobenzene	11.32	112	379123	4.910	ug/L	96
52) Ethylbenzene	11.39	91	822627	4.951	ug/L	98
53) m,p-Xylene	11.50	106	293660	4.965	ug/L	99
54) o-Xylene	11.83	106	269461	4.894	ug/L	85
55) Styrene	11.84	104	429404	5.011	ug/L	92
56) Isopropylbenzene	12.13	105	775378	5.106	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	62699	4.787	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	45917	4.710	ug/L	98
61) Bromoform	12.01	173	25022	5.066	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	219009	4.587	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	224670	4.600	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	178653	4.657	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.15	75	6887	4.269	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	134532	4.730	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	78015	4.303	ug/L	98
69) Naphthalene	15.00	128	90189	3.898	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	56113	4.461	ug/L	97

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

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