

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR092418\
 Data File : VR025831.D
 Acq On : 24 Sep 2018 19:48
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

Manual Integrations
 APPROVED

MMDadoda
 9/26/2018 10:33:03 AM

Quant Time: Sep 25 08:45:29 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Sep 25 07:30:51 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	466663	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	383410	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	135760	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	157516	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	2.63	69	128682	4.90	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	3.63	63	403838	5.00	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	6.59	46	211837	47.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.10%
24) Chloroform-d	7.20	84	316896	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	7.90	65	136499	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	7.85	84	638111	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	8.89	67	174103	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	9.97	98	578334	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	10.24	79	45775	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	10.59	63	167381	46.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.32%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	71336	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	104476	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	210468	4.330	ug/L 100
3) Chloromethane	2.01	50	250937	4.742	ug/L 99
5) Vinyl chloride	2.17	62	243917	4.867	ug/L 96
6) Bromomethane	2.52	94	144251	5.063	ug/L 97
8) Chloroethane	2.66	64	141483	4.968	ug/L 99
9) Trichlorofluoromethane	2.93	101	339104m	5.456	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	204598	5.403	ug/L 98
12) 1,1-Dichloroethene	3.63	96	201682	5.010	ug/L 97
13) Acetone	3.70	43	177535	60.396	ug/L 100
14) Carbon disulfide	3.94	76	540271	4.770	ug/L 97
15) Methyl Acetate	4.19	43	50304	5.334	ug/L 99
16) Methylene chloride	4.40	84	178999	4.946	ug/L 100
17) Methyl tert-butyl Ether	4.89	73	304514	4.325	ug/L 96
18) trans-1,2-Dichloroethene	4.88	96	209747	4.605	ug/L 99
19) 1,1-Dichloroethane	5.69	63	415172	4.459	ug/L 97
21) 2-Butanone	6.69	43	293953	47.981	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	208930	4.554	ug/L # 94

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

23) Bromochloromethane	7.04	128	51105	4.227	ug/L	94
25) Chloroform	7.23	83	390395	4.560	ug/L	99
27) 1,2-Dichloroethane	7.99	62	197634	4.466	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	325994	4.210	ug/L	98
30) Cyclohexane	7.51	56	411808	4.461	ug/L	99
31) Carbon tetrachloride	7.63	117	272185	4.272	ug/L	100
33) Benzene	7.90	78	914772	4.545	ug/L	100
34) Trichloroethene	8.71	95	233810	4.377	ug/L	98
35) Methylcyclohexane	8.95	83	387716	4.426	ug/L	100
37) 1,2-Dichloropropane	8.99	63	207028	4.613	ug/L	99
38) Bromodichloromethane	9.28	83	220058	4.441	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	252927	4.604	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	766854	49.082	ug/L	99
42) Toluene	10.03	91	961199	4.686	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	173046	4.545	ug/L	92
45) 1,1,2-Trichloroethane	10.45	97	86094	4.576	ug/L	96
47) Tetrachloroethene	10.51	164	129902	4.252	ug/L	97
48) 2-Hexanone	10.63	43	509516	49.588	ug/L	98
49) Dibromochloromethane	10.79	129	89871	4.585	ug/L	98
50) 1,2-Dibromoethane	10.89	107	75123	4.537	ug/L	94
51) Chlorobenzene	11.32	112	493193	4.583	ug/L	99
52) Ethylbenzene	11.39	91	1113814	4.719	ug/L	100
53) m,p-Xylene	11.50	106	389216	4.573	ug/L	97
54) o-Xylene	11.83	106	358625	4.602	ug/L	97
55) Styrene	11.84	104	572165	4.739	ug/L	98
56) Isopropylbenzene	12.13	105	1025489	4.702	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	89009	4.821	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	68306	4.660	ug/L	99
61) Bromoform	12.01	173	27420	4.328	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	281544	4.482	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	273653	4.513	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	219366	4.587	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8996	4.114	ug/L #	92
67) 1,3,5-Trichlorobenzene	14.29	180	157012	4.431	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	100585	4.461	ug/L	97
69) Naphthalene	15.00	128	148114	4.514	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	68903	4.302	ug/L	97

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

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