

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092018\
 Data File : VR025794.D
 Acq On : 21 Sep 2018 3:37
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00518

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 5:09:21 PM

Quant Time: Sep 21 08:15:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 21 07:37:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	558795	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	442059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	157488	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	98299	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	2.62	69	94500	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	3.62	63	291310	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	6.58	46	254198	59.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.66%
24) Chloroform-d	7.20	84	307317	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	7.89	65	138019	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	7.85	84	511486	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	8.90	67	159354	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	9.97	98	409876	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	10.24	79	43974	3.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.60%
46) 2-Hexanone-d5	10.59	63	193261	50.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	75985	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	95381	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	266326	4.192	ug/L 99
3) Chloromethane	2.01	50	274861	4.396	ug/L 99
5) Vinyl chloride	2.16	62	260070	4.364	ug/L 96
6) Bromomethane	2.52	94	139265	4.419	ug/L 98
8) Chloroethane	2.65	64	146305	4.458	ug/L 94
9) Trichlorofluoromethane	2.93	101	329041m	4.776	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	182489	4.376	ug/L 98
12) 1,1-Dichloroethene	3.63	96	213530	4.736	ug/L 84
13) Acetone	3.70	43	164269	72.172	ug/L 96
14) Carbon disulfide	3.92	76	632832	4.257	ug/L 97
15) Methyl Acetate	4.19	43	49700	5.019	ug/L 93
16) Methylene chloride	4.40	84	184965	4.835	ug/L 99
17) Methyl tert-butyl Ether	4.89	73	387565	4.426	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	247782	4.449	ug/L 100
19) 1,1-Dichloroethane	5.69	63	501898	4.452	ug/L 96
21) 2-Butanone	6.69	43	331732	53.837	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	246778	4.448	ug/L # 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	65433	4.336	ug/L	97
25) Chloroform	7.23	83	466409	4.475	ug/L	98
27) 1,2-Dichloroethane	7.99	62	236146	4.518	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	419086	4.321	ug/L	99
30) Cyclohexane	7.51	56	469620	4.364	ug/L	99
31) Carbon tetrachloride	7.63	117	345889	4.125	ug/L	99
33) Benzene	7.90	78	1056295	4.736	ug/L	100
34) Trichloroethene	8.71	95	275399	4.465	ug/L	93
35) Methylcyclohexane	8.95	83	421232	4.160	ug/L	97
37) 1,2-Dichloropropane	8.99	63	234108	4.816	ug/L	98
38) Bromodichloromethane	9.28	83	266389	4.401	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	286378	4.261	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	837466	48.730	ug/L	100
42) Toluene	10.03	91	1071025	4.734	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	201531	4.077	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	100496	4.761	ug/L	97
47) Tetrachloroethene	10.51	164	154940	4.240	ug/L	95
48) 2-Hexanone	10.63	43	544077	47.561	ug/L	99
49) Dibromochloromethane	10.79	129	111482	4.230	ug/L	95
50) 1,2-Dibromoethane	10.89	107	87723	4.561	ug/L	97
51) Chlorobenzene	11.32	112	562383	4.547	ug/L	96
52) Ethylbenzene	11.39	91	1238242	4.677	ug/L	100
53) m,p-Xylene	11.50	106	442587	4.524	ug/L	96
54) o-Xylene	11.83	106	407670	4.517	ug/L	100
55) Styrene	11.84	104	626952	4.487	ug/L	96
56) Isopropylbenzene	12.13	105	1151020	4.602	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	97556	4.434	ug/L #	98
59) 1,2,3-Trichloropropane	12.43	75	77977	4.441	ug/L	97
61) Bromoform	12.01	173	36032	3.675	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	330676	4.502	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	315880	4.568	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	251975	4.604	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	11581	3.645	ug/L #	91
67) 1,3,5-Trichlorobenzene	14.29	180	184000	4.403	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	120333	4.396	ug/L	99
69) Naphthalene	15.00	128	181729	4.436	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	81492	4.158	ug/L	95

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

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