

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092018\
 Data File : VR025779.D
 Acq On : 20 Sep 2018 16:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00517

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 5:09:20 PM

Quant Time: Sep 21 07:35:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 20 16:09:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	638939	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	498839	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	180591	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	113879	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	2.63	69	101981	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	3.63	63	323291	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	6.58	46	268636	54.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.68%
24) Chloroform-d	7.20	84	349941	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	7.90	65	148784	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	7.85	84	586846	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	8.90	67	178094	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	9.97	98	478006	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	10.23	79	58882	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	10.59	63	206939	47.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81719	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	108285	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	352173	4.848	ug/L	98
3) Chloromethane	2.01	50	311722	4.360	ug/L	98
5) Vinyl chloride	2.17	62	299066	4.389	ug/L	93
6) Bromomethane	2.52	94	161758	4.489	ug/L	98
8) Chloroethane	2.66	64	167356	4.459	ug/L	99
9) Trichlorofluoromethane	2.94	101	380011m	4.824	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	223159	4.680	ug/L	98
12) 1,1-Dichloroethene	3.63	96	231286	4.486	ug/L	97
13) Acetone	3.70	43	177106	68.052	ug/L	94
14) Carbon disulfide	3.93	76	747271	4.396	ug/L	99
15) Methyl Acetate	4.19	43	57373	5.067	ug/L	92
16) Methylene chloride	4.40	84	196208	4.485	ug/L	99
17) Methyl tert-butyl Ether	4.89	73	452275	4.517	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	289062	4.539	ug/L	98
19) 1,1-Dichloroethane	5.69	63	587168	4.555	ug/L	99
21) 2-Butanone	6.69	43	379748	53.899	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	286711	4.520	ug/L #	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	77055	4.465	ug/L	92
25) Chloroform	7.23	83	536451	4.502	ug/L	98
27) 1,2-Dichloroethane	7.99	62	281482	4.710	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	517549	4.729	ug/L	99
30) Cyclohexane	7.52	56	595979	4.908	ug/L	99
31) Carbon tetrachloride	7.63	117	448972	4.745	ug/L	99
33) Benzene	7.91	78	1227004	4.875	ug/L	100
34) Trichloroethene	8.71	95	332083	4.771	ug/L	97
35) Methylcyclohexane	8.95	83	564743	4.943	ug/L	98
37) 1,2-Dichloropropane	9.00	63	272625	4.970	ug/L	99
38) Bromodichloromethane	9.28	83	321557	4.708	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	376635	4.966	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	939163	48.427	ug/L	99
42) Toluene	10.03	91	1250536	4.898	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	276137	4.951	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	117288	4.924	ug/L	97
47) Tetrachloroethene	10.51	164	196404	4.763	ug/L	96
48) 2-Hexanone	10.63	43	611306	47.356	ug/L	98
49) Dibromochloromethane	10.79	129	142903	4.805	ug/L	97
50) 1,2-Dibromoethane	10.89	107	101715	4.687	ug/L	96
51) Chlorobenzene	11.32	112	653136	4.680	ug/L	99
52) Ethylbenzene	11.39	91	1469914	4.921	ug/L	99
53) m,p-Xylene	11.50	106	526289	4.768	ug/L	97
54) o-Xylene	11.83	106	474874	4.663	ug/L	96
55) Styrene	11.84	104	736211	4.669	ug/L	96
56) Isopropylbenzene	12.13	105	1373757	4.868	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	113232	4.560	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	90014	4.543	ug/L	99
61) Bromoform	12.01	173	53012	4.715	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	396861	4.712	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	382719	4.826	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	298730	4.760	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	14828	4.070	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	236390	4.933	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	150390	4.791	ug/L	100
69) Naphthalene	15.00	128	221028	4.705	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	103185	4.591	ug/L	99

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

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