

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100418\
 Data File : VR025943.D
 Acq On : 4 Oct 2018 17:16
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Manual Integrations
 APPROVED

MMDadoda
 10/5/2018 12:41:44 PM

Quant Time: Oct 05 04:41:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 04 08:45:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	496897	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	424700	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	161946	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	158679	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	2.63	69	147015	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	3.64	63	400546	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	6.59	46	233639	53.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.96%
24) Chloroform-d	7.20	84	335098	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	7.90	65	147294	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	7.85	84	632618	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	8.90	67	175425	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	9.97	98	587770	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	10.23	79	47320	5.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.60%
46) 2-Hexanone-d5	10.59	63	172729	52.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76648	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	121292	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	150171	4.972	ug/L	# 81
3) Chloromethane	2.01	50	204620	4.764	ug/L	95
5) Vinyl chloride	2.17	62	200689	4.695	ug/L	95
6) Bromomethane	2.53	94	124049	4.648	ug/L	97
8) Chloroethane	2.66	64	119300	4.905	ug/L	93
9) Trichlorofluoromethane	2.93	101	297582m	5.014	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	175956	4.850	ug/L	92
12) 1,1-Dichloroethene	3.66	96	186103	4.961	ug/L	75
13) Acetone	3.70	43	155143	49.000	ug/L	96
14) Carbon disulfide	3.96	76	403960	4.449	ug/L	99
15) Methyl Acetate	4.19	43	42162	4.803	ug/L	97
16) Methylene chloride	4.40	84	155915	4.520	ug/L	96
17) Methyl tert-butyl Ether	4.90	73	194024	4.671	ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	143907	4.639	ug/L	87
19) 1,1-Dichloroethane	5.69	63	292573	4.763	ug/L	96
21) 2-Butanone	6.69	43	206588	47.438	ug/L	94
22) cis-1,2-Dichloroethene	6.67	96	148090	4.744	ug/L	87

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

23) Bromochloromethane	7.05	128	41354	4.883	uq/L	94
25) Chloroform	7.23	83	286084	4.783	uq/L	96
27) 1,2-Dichloroethane	7.99	62	142993	4.791	uq/L	98
29) 1,1,1-Trichloroethane	7.43	97	239321	5.011	uq/L	99
30) Cyclohexane	7.52	56	256698	4.302	uq/L	98
31) Carbon tetrachloride	7.63	117	214642	5.190	uq/L	98
33) Benzene	7.91	78	661661	4.645	uq/L	100
34) Trichloroethene	8.71	95	172338	4.592	uq/L	93
35) Methylcyclohexane	8.96	83	259350	4.595	uq/L	98
37) 1,2-Dichloropropane	9.00	63	145099	4.748	uq/L	99
38) Bromodichloromethane	9.28	83	157752	4.785	uq/L #	86
39) cis-1,3-Dichloropropene	9.72	75	176653	5.156	uq/L	93
40) 4-Methyl-2-pentanone	9.87	43	509409	47.406	uq/L	97
42) Toluene	10.03	91	709241	4.792	uq/L	98
44) trans-1,3-Dichloropropene	10.26	75	119197	5.328	uq/L	98
45) 1,1,2-Trichloroethane	10.45	97	62874	4.549	uq/L	92
47) Tetrachloroethene	10.51	164	114691	4.959	uq/L	91
48) 2-Hexanone	10.63	43	345117	49.054	uq/L	99
49) Dibromochloromethane	10.79	129	69604	4.962	uq/L	98
50) 1,2-Dibromoethane	10.89	107	52100	4.777	uq/L #	94
51) Chlorobenzene	11.32	112	385800	4.914	uq/L	95
52) Ethylbenzene	11.39	91	823707	4.876	uq/L	97
53) m,p-Xylene	11.50	106	295530	4.914	uq/L	90
54) o-Xylene	11.83	106	276742	4.943	uq/L	92
55) Styrene	11.84	104	426143	4.890	uq/L	94
56) Isopropylbenzene	12.13	105	791027	5.123	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	64667	4.855	uq/L	91
59) 1,2,3-Trichloropropane	12.43	75	45097	4.550	uq/L	97
61) Bromoform	12.01	173	24674	5.040	uq/L	93
62) 1,3-Dichlorobenzene	13.16	146	230676	4.874	uq/L	91
63) 1,4-Dichlorobenzene	13.24	146	231275	4.777	uq/L	98
65) 1,2-Dichlorobenzene	13.53	146	176940	4.653	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	6624	4.143	uq/L	92
67) 1,3,5-Trichlorobenzene	14.29	180	139599	4.951	uq/L	95
68) 1,2,4-trichlorobenzene	14.78	180	84852	4.721	uq/L	98
69) Naphthalene	15.00	128	104986	4.577	uq/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	58651	4.704	uq/L	95

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

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