

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092818\
 Data File : VR025895.D
 Acq On : 28 Sep 2018 10:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 12:05:16 PM

Quant Time: Sep 29 05:03:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 05:44:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	552348	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	449543	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	169246	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	220060	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	2.63	69	177700	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	3.62	63	501548	4.90	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	6.58	46	232655	47.91	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.82%
24) Chloroform-d	7.20	84	375898	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	7.90	65	159697	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	7.85	84	746395	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	8.90	67	200568	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	9.97	98	698807	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	10.23	79	47040	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	10.59	63	180276	51.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.30%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78799	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	132677	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	186321	5.549	ug/L	95
3) Chloromethane	2.01	50	228940	4.796	ug/L	97
5) Vinyl chloride	2.17	62	234545	4.936	ug/L	94
6) Bromomethane	2.52	94	140662	4.741	ug/L	97
8) Chloroethane	2.66	64	131742	4.873	ug/L	97
9) Trichlorofluoromethane	2.93	101	348939m	5.289	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	204762	5.077	ug/L	95
12) 1,1-Dichloroethene	3.63	96	201329	4.829	ug/L #	79
13) Acetone	3.70	43	149095	42.363	ug/L	95
14) Carbon disulfide	3.94	76	515305	5.105	ug/L	99
15) Methyl Acetate	4.19	43	38317	3.927	ug/L	100
16) Methylene chloride	4.40	84	161089	4.201	ug/L	94
17) Methyl tert-butyl Ether	4.89	73	194219	4.206	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	161974	4.697	ug/L	89
19) 1,1-Dichloroethane	5.69	63	311036	4.556	ug/L	98
21) 2-Butanone	6.69	43	203709	42.081	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	158931	4.580	ug/L #	91

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

23) Bromochloromethane	7.05	128	40985	4.354	uq/L	92
25) Chloroform	7.23	83	294012	4.422	uq/L	95
27) 1,2-Dichloroethane	7.99	62	142468	4.294	uq/L	99
29) 1,1,1-Trichloroethane	7.43	97	251059	4.966	uq/L	98
30) Cyclohexane	7.51	56	326230	5.165	uq/L	99
31) Carbon tetrachloride	7.63	117	226643	5.177	uq/L	99
33) Benzene	7.90	78	719048	4.769	uq/L	100
34) Trichloroethene	8.71	95	183878	4.628	uq/L	92
35) Methylcyclohexane	8.96	83	318383	5.330	uq/L	98
37) 1,2-Dichloropropane	9.00	63	148514	4.591	uq/L	99
38) Bromodichloromethane	9.28	83	159989	4.584	uq/L	99
39) cis-1,3-Dichloropropene	9.72	75	174394	4.808	uq/L	98
40) 4-Methyl-2-pentanone	9.86	43	504641	44.367	uq/L	99
42) Toluene	10.04	91	747277	4.769	uq/L	97
44) trans-1,3-Dichloropropene	10.26	75	110929	4.685	uq/L	90
45) 1,1,2-Trichloroethane	10.45	97	61286	4.189	uq/L	86
47) Tetrachloroethene	10.51	164	119740	4.891	uq/L	95
48) 2-Hexanone	10.63	43	335787	45.091	uq/L	98
49) Dibromochloromethane	10.79	129	68047	4.583	uq/L	92
50) 1,2-Dibromoethane	10.89	107	53654	4.648	uq/L #	94
51) Chlorobenzene	11.32	112	389311	4.684	uq/L	97
52) Ethylbenzene	11.39	91	884714	4.947	uq/L	100
53) m,p-Xylene	11.50	106	318388	5.001	uq/L	93
54) o-Xylene	11.83	106	286716	4.838	uq/L	98
55) Styrene	11.84	104	438680	4.756	uq/L	98
56) Isopropylbenzene	12.13	105	841247	5.147	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	62166	4.410	uq/L	98
59) 1,2,3-Trichloropropane	12.43	75	45880	4.373	uq/L	97
61) Bromoform	12.01	173	21849	4.270	uq/L #	97
62) 1,3-Dichlorobenzene	13.16	146	230194	4.654	uq/L	93
63) 1,4-Dichlorobenzene	13.24	146	225323	4.453	uq/L	96
65) 1,2-Dichlorobenzene	13.53	146	177747	4.472	uq/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	6309	3.775	uq/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	140243	4.760	uq/L	95
68) 1,2,4-trichlorobenzene	14.78	180	82367	4.385	uq/L	98
69) Naphthalene	15.00	128	103087	4.300	uq/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	58617	4.498	uq/L	98

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

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