

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR100518\
 Data File : VR025977.D
 Acq On : 6 Oct 2018 4:05
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 5:12:50 PM

Quant Time: Oct 06 06:38:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 06 05:30:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	399064	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	348986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	131416	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	176322	5.60	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.00%
7) Chloroethane-d5	2.63	69	154875	6.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.40%
11) 1,1-Dichloroethene-d2	3.63	63	418227	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.20%
20) 2-Butanone-d5	6.59	46	183810	52.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.78%
24) Chloroform-d	7.20	84	280267	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	7.90	65	124128	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	7.85	84	546799	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	8.90	67	148650	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	9.97	98	531821	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	10.24	79	35744	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	10.59	63	146630	54.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.24%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	67982	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	104968	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	101236	4.173 ug/L	99
3) Chloromethane	2.01	50	185931	5.391 ug/L	95
5) Vinyl chloride	2.17	62	179018	5.215 ug/L	98
6) Bromomethane	2.52	94	121346	5.661 ug/L	98
8) Chloroethane	2.66	64	114822	5.878 ug/L	87
9) Trichlorofluoromethane	2.94	101	280475m	5.884 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	157200	5.395 ug/L	95
12) 1,1-Dichloroethene	3.64	96	167415	5.557 ug/L	90
13) Acetone	3.70	43	129195	50.808 ug/L	96
14) Carbon disulfide	3.95	76	367245	5.036 ug/L	97
15) Methyl Acetate	4.19	43	37791	5.360 ug/L	99
16) Methylene chloride	4.40	84	151964	5.486 ug/L	93
17) Methyl tert-butyl Ether	4.90	73	162227	4.863 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	118429	4.753 ug/L	81
19) 1,1-Dichloroethane	5.69	63	231341	4.690 ug/L	98
21) 2-Butanone	6.69	43	169922	48.584 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	119675	4.774 ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	32955	4.846	ug/L	91
25) Chloroform	7.23	83	233648	4.864	ug/L	98
27) 1,2-Dichloroethane	7.99	62	121103	5.052	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	189034	4.817	ug/L	96
30) Cyclohexane	7.52	56	204247	4.165	ug/L	99
31) Carbon tetrachloride	7.63	117	173628	5.109	ug/L	99
33) Benzene	7.90	78	535773	4.577	ug/L	100
34) Trichloroethene	8.71	95	136406	4.423	ug/L	93
35) Methylcyclohexane	8.95	83	194683	4.198	ug/L	98
37) 1,2-Dichloropropane	8.99	63	118119	4.704	ug/L	98
38) Bromodichloromethane	9.28	83	130324	4.810	ug/L #	95
39) cis-1,3-Dichloropropene	9.72	75	131866	4.683	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	464276	52.580	ug/L	95
42) Toluene	10.04	91	591503	4.863	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	91856	4.997	ug/L	90
45) 1,1,2-Trichloroethane	10.45	97	53119	4.677	ug/L	90
47) Tetrachloroethene	10.51	164	87837	4.622	ug/L	93
48) 2-Hexanone	10.63	43	302191	52.272	ug/L	97
49) Dibromochloromethane	10.79	129	56391	4.892	ug/L	90
50) 1,2-Dibromoethane	10.89	107	43941	4.903	ug/L #	99
51) Chlorobenzene	11.32	112	317505	4.921	ug/L	93
52) Ethylbenzene	11.39	91	685014	4.934	ug/L	100
53) m,p-Xylene	11.50	106	245153	4.960	ug/L	93
54) o-Xylene	11.83	106	227704	4.949	ug/L	95
55) Styrene	11.84	104	365671	5.107	ug/L	93
56) Isopropylbenzene	12.13	105	645615	5.088	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	54829	5.010	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	41052	5.040	ug/L	100
61) Bromoform	12.01	173	18828	4.739	ug/L #	90
62) 1,3-Dichlorobenzene	13.16	146	179997	4.686	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	181839	4.628	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	152166	4.931	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	5718	4.407	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.29	180	110237	4.818	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	68267	4.681	ug/L	95
69) Naphthalene	15.00	128	85478	4.592	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	52083	5.147	ug/L	96

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

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