

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR082818\
 Data File : VR025647.D
 Acq On : 28 Aug 2018 13:39
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 5:04:38 PM

Quant Time: Aug 29 06:47:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 24 23:05:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	546648	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	462503	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	193902	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	176422	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	2.62	69	141563	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	3.63	63	418385	4.76	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	6.60	46	167162	61.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.30%
24) Chloroform-d	7.21	84	310580	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	7.89	65	107069	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	7.86	84	791874	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	8.90	67	202132	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	9.97	98	754142	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	10.24	79	45417	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	10.59	63	178163	59.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.72%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	88343	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	156453	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	157042	5.19	ug/L	94
3) Chloromethane	2.01	50	193649	4.32	ug/L	93
5) Vinyl chloride	2.17	62	192592	4.39	ug/L	94
6) Bromomethane	2.52	94	131903	4.42	ug/L	87
8) Chloroethane	2.66	64	111129	4.12	ug/L	95
9) Trichlorofluoromethane	2.99	101	350470m	5.50	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	201830	5.20	ug/L	99
12) 1,1-Dichloroethene	3.65	96	185726	4.33	ug/L	75
13) Acetone	3.70	43	106180	62.86	ug/L	93
14) Carbon disulfide	3.98	76	441733	3.95	ug/L	98
15) Methyl Acetate	4.20	43	30247	4.74	ug/L #	86
16) Methylene chloride	4.41	84	155671	4.04	ug/L	90
17) Methyl tert-butyl Ether	4.89	73	213316	4.85	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	213970	4.72	ug/L	86
19) 1,1-Dichloroethane	5.69	63	319408	4.56	ug/L	97
21) 2-Butanone	6.69	43	189962	57.07	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	193963	4.98	ug/L #	94

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

23) Bromochloromethane	7.06	128	59484	4.98	ug/L	90
25) Chloroform	7.23	83	293863	4.83	ug/L	99
27) 1,2-Dichloroethane	7.99	62	115747	5.08	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	216429	4.81	ug/L	98
30) Cyclohexane	7.52	56	316848	5.47	ug/L	99
31) Carbon tetrachloride	7.64	117	212106	5.37	ug/L	99
33) Benzene	7.91	78	846494	5.01	ug/L	100
34) Trichloroethene	8.71	95	188740	4.88	ug/L	98
35) Methylcyclohexane	8.96	83	364903	5.80	ug/L	99
37) 1,2-Dichloropropane	8.99	63	189158	5.10	ug/L #	98
38) Bromodichloromethane	9.28	83	163602	5.06	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	203306	5.35	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	518563	57.74	ug/L	99
42) Toluene	10.03	91	895790	5.41	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	142909	5.33	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	81728	5.00	ug/L	92
47) Tetrachloroethene	10.51	164	156776	5.30	ug/L	93
48) 2-Hexanone	10.64	43	355832	56.83	ug/L	99
49) Dibromochloromethane	10.78	129	91778	5.21	ug/L	97
50) 1,2-Dibromoethane	10.89	107	66364	5.12	ug/L	91
51) Chlorobenzene	11.31	112	526277	5.10	ug/L	99
52) Ethylbenzene	11.39	91	976821	5.52	ug/L	96
53) m,p-Xylene	11.51	106	392179	5.53	ug/L	95
54) o-Xylene	11.83	106	352140	5.58	ug/L	95
55) Styrene	11.85	104	553749	5.43	ug/L	98
56) Isopropylbenzene	12.13	105	914712	5.71	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	79537	4.70	ug/L #	97
59) 1,2,3-Trichloropropane	12.44	75	54904	4.78	ug/L	93
61) Bromoform	12.01	173	37098	4.76	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	300438	5.01	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	330860	4.97	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	260321	5.04	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	6722	4.81	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.29	180	191647	5.66	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	116249	5.53	ug/L	97
69) Naphthalene	15.00	128	130564	5.03	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	95379	5.84	ug/L	99

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

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