

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR082118\
 Data File : VR025628.D
 Acq On : 21 Aug 2018 17:20
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV86

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 10:49:58 AM

Quant Time: Aug 21 23:10:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 21 22:55:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	517476	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	431103	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	164926	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	176892	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	2.62	69	151287	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	3.62	63	422991	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	6.59	46	127758	49.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.56%
24) Chloroform-d	7.20	84	289962	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	7.89	65	95084	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	7.86	84	695113	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	8.90	67	175838	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	9.97	98	634309	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	10.24	79	38775	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	10.59	63	152249	54.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.76%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	74425	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	125201	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	154685	5.40 ug/L	92
3) Chloromethane	2.00	50	237031	5.59 ug/L	97
5) Vinyl chloride	2.17	62	230509	5.55 ug/L	97
6) Bromomethane	2.52	94	145966	5.17 ug/L	96
8) Chloroethane	2.65	64	139400	5.46 ug/L #	80
9) Trichlorofluoromethane	2.93	101	318531m	5.28 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	200454	5.46 ug/L	100
12) 1,1-Dichloroethene	3.64	96	212997	5.24 ug/L	79
13) Acetone	3.70	43	77745	48.62 ug/L	99
14) Carbon disulfide	3.95	76	567339	5.36 ug/L	95
15) Methyl Acetate	4.19	43	28789	4.76 ug/L	98
16) Methylene chloride	4.40	84	179928	4.93 ug/L	92
17) Methyl tert-butyl Ether	4.89	73	213317	5.12 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	218986	5.10 ug/L	97
19) 1,1-Dichloroethane	5.68	63	334117	5.04 ug/L	95
21) 2-Butanone	6.69	43	159433	50.60 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	191288	5.19 ug/L #	80

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

23) Bromochloromethane	7.05	128	57369	5.07	ug/L	91
25) Chloroform	7.23	83	293354	5.09	ug/L	100
27) 1,2-Dichloroethane	7.99	62	113481	5.27	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	209389	4.99	ug/L	99
30) Cyclohexane	7.52	56	309671	5.74	ug/L	100
31) Carbon tetrachloride	7.64	117	196011	5.33	ug/L	97
33) Benzene	7.91	78	818936	5.20	ug/L	100
34) Trichloroethene	8.71	95	190289	5.28	ug/L	98
35) Methylcyclohexane	8.96	83	343906	5.86	ug/L	98
37) 1,2-Dichloropropane	8.99	63	174329	5.04	ug/L	99
38) Bromodichloromethane	9.28	83	155586	5.16	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	180538	5.10	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	454028	54.23	ug/L	99
42) Toluene	10.03	91	826727	5.35	ug/L	96
44) trans-1,3-Dichloropropene	10.27	75	124424	4.98	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	76216	5.00	ug/L	97
47) Tetrachloroethene	10.51	164	145039	5.26	ug/L	99
48) 2-Hexanone	10.64	43	316810	54.29	ug/L	99
49) Dibromochloromethane	10.78	129	83118	5.06	ug/L	96
50) 1,2-Dibromoethane	10.89	107	60780	5.03	ug/L #	95
51) Chlorobenzene	11.31	112	474779	4.94	ug/L	97
52) Ethylbenzene	11.39	91	895644	5.43	ug/L	97
53) m,p-Xylene	11.50	106	361343	5.47	ug/L	100
54) o-Xylene	11.83	106	320165	5.44	ug/L	96
55) Styrene	11.85	104	499553	5.25	ug/L	96
56) Isopropylbenzene	12.13	105	850430	5.70	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	74076	4.70	ug/L	88
59) 1,2,3-Trichloropropane	12.44	75	51087	4.77	ug/L	100
61) Bromoform	12.01	173	34194	5.16	ug/L #	93
62) 1,3-Dichlorobenzene	13.16	146	270445	5.30	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	285043	5.03	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	222393	5.07	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.15	75	6357	5.35	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	155520	5.40	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	92122	5.15	ug/L	97
69) Naphthalene	15.00	128	112928	5.11	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	72751	5.23	ug/L	98

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

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