

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021919\
 Data File : VR026342.D
 Acq On : 19 Feb 2019 17:30
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV95

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 3:41:53 PM

Quant Time: Feb 20 04:44:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Feb 20 04:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	644890	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	523157	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	203486	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	229725	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	2.63	69	193876	4.36	ug/L	0.00
Spiked Amount	7.000	Range	65 - 130	Recovery	=	62.29%#
11) 1,1-Dichloroethene-d2	3.63	63	570515	4.44	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	6.58	46	197426	50.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.88%
24) Chloroform-d	7.20	84	426633	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	7.89	65	160215	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	7.85	84	851364	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	8.89	67	213977	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	9.97	98	798497	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	10.23	79	56882	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	10.59	63	162672	56.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.70%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78601	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	156003	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	236788	4.954	ug/L 95
3) Chloromethane	2.01	50	308461	4.893	ug/L 96
5) Vinyl chloride	2.17	62	285433	4.704	ug/L 96
6) Bromomethane	2.52	94	173020	4.246	ug/L 97
8) Chloroethane	2.66	64	174316	4.582	ug/L 99
9) Trichlorofluoromethane	2.93	101	452288m	4.645	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	239373	4.645	ug/L 98
12) 1,1-Dichloroethene	3.64	96	256073	4.615	ug/L 89
13) Acetone	3.69	43	189186	46.393	ug/L 98
14) Carbon disulfide	3.94	76	754018	4.374	ug/L # 95
15) Methyl Acetate	4.18	43	51259	4.544	ug/L 99
16) Methylene chloride	4.40	84	222501	4.278	ug/L 88
17) Methyl tert-butyl Ether	4.88	73	268610	4.893	ug/L 100
18) trans-1,2-Dichloroethene	4.88	96	248912	4.816	ug/L 93
19) 1,1-Dichloroethane	5.69	63	439253	4.869	ug/L 97
21) 2-Butanone	6.68	43	247862	51.324	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	229573	5.233	ug/L 98

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

23) Bromochloromethane	7.05	128	65889	4.871	uq/L	87
25) Chloroform	7.23	83	425520	4.792	uq/L	99
27) 1,2-Dichloroethane	7.99	62	187869	4.708	uq/L #	96
29) 1,1,1-Trichloroethane	7.43	97	382785	4.963	uq/L	99
30) Cyclohexane	7.51	56	346746	5.789	uq/L	99
31) Carbon tetrachloride	7.63	117	354603	5.023	uq/L	98
33) Benzene	7.90	78	983112	5.224	uq/L	100
34) Trichloroethene	8.71	95	242577	5.071	uq/L	97
35) Methylcyclohexane	8.95	83	360236	5.677	uq/L	98
37) 1,2-Dichloropropane	8.99	63	203355	4.945	uq/L	99
38) Bromodichloromethane	9.28	83	234102	5.064	uq/L #	96
39) cis-1,3-Dichloropropene	9.72	75	238276	5.491	uq/L	97
40) 4-Methyl-2-pentanone	9.86	43	620290	57.794	uq/L	99
42) Toluene	10.03	91	1035494	5.403	uq/L	100
44) trans-1,3-Dichloropropene	10.26	75	172385	5.370	uq/L	99
45) 1,1,2-Trichloroethane	10.45	97	88409	5.039	uq/L	97
47) Tetrachloroethene	10.51	164	185658	5.232	uq/L	96
48) 2-Hexanone	10.63	43	408246	55.357	uq/L	99
49) Dibromochloromethane	10.78	129	116346	5.074	uq/L	98
50) 1,2-Dibromoethane	10.88	107	73904	5.146	uq/L #	92
51) Chlorobenzene	11.31	112	559534	4.993	uq/L	98
52) Ethylbenzene	11.39	91	1192766	5.594	uq/L	98
53) m,p-Xylene	11.50	106	431494	5.547	uq/L	99
54) o-Xylene	11.83	106	388766	5.708	uq/L	94
55) Styrene	11.84	104	599000	5.555	uq/L	99
56) Isopropylbenzene	12.13	105	1128353	5.883	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	83374	5.009	uq/L	93
59) 1,2,3-Trichloropropane	12.43	75	62707	5.263	uq/L	95
61) Bromoform	12.00	173	45299	4.872	uq/L	97
62) 1,3-Dichlorobenzene	13.16	146	324962	5.333	uq/L	97
63) 1,4-Dichlorobenzene	13.24	146	352627	4.983	uq/L	98
65) 1,2-Dichlorobenzene	13.53	146	271352	5.149	uq/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	9709	4.823	uq/L	93
67) 1,3,5-Trichlorobenzene	14.29	180	216169	5.429	uq/L	97
68) 1,2,4-trichlorobenzene	14.78	180	123568	5.714	uq/L	97
69) Naphthalene	15.00	128	125117	6.090	uq/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	95375	5.777	uq/L	98

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

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