

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR041119\
 Data File : VR026573.D
 Acq On : 11 Apr 2019 16:05
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VICV88

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:30:26 AM

Quant Time: Apr 12 02:07:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR041119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 12 01:57:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	666154	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	550927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	228965	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	209738	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	2.62	69	189828	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	3.60	63	601047	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	6.58	46	209758	44.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.32%
24) Chloroform-d	7.20	84	439166	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	7.89	65	174265	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	7.85	84	806100	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	8.89	67	207715	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	9.96	98	754106	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	10.23	79	50089	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	10.59	63	177212	49.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.40%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	84594	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	147372	4.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	320281	4.480 ug/L	100
3) Chloromethane	2.01	50	332312	4.606 ug/L	99
5) Vinyl chloride	2.15	62	339109	4.583 ug/L	99
6) Bromomethane	2.52	94	200305	4.604 ug/L	94
8) Chloroethane	2.65	64	197232	4.645 ug/L	94
9) Trichlorofluoromethane	2.94	101	494638	4.489 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	267711	4.664 ug/L	98
12) 1,1-Dichloroethene	3.62	96	284390	4.535 ug/L	91
13) Acetone	3.69	43	205802	42.007 ug/L	98
14) Carbon disulfide	3.93	76	812285	4.921 ug/L	100
15) Methyl Acetate	4.19	43	53342	4.013 ug/L #	75
16) Methylene chloride	4.40	84	235423	4.200 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	264779	4.491 ug/L	100
18) trans-1,2-Dichloroethene	4.88	96	256824	4.544 ug/L	91
19) 1,1-Dichloroethane	5.69	63	469115	4.610 ug/L	96
21) 2-Butanone	6.69	43	284671	48.281 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	229804	4.878 ug/L #	91

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

23) Bromochloromethane	7.04	128	63895	4.140	uq/L	92
25) Chloroform	7.23	83	459358	4.552	uq/L	98
27) 1,2-Dichloroethane	7.99	62	224041m	4.445	uq/L	
29) 1,1,1-Trichloroethane	7.43	97	414005	4.989	uq/L	97
30) Cyclohexane	7.51	56	438655	5.683	uq/L	97
31) Carbon tetrachloride	7.63	117	403594	4.778	uq/L	99
33) Benzene	7.90	78	1034983	4.897	uq/L	100
34) Trichloroethene	8.71	95	270528	4.782	uq/L	94
35) Methylcyclohexane	8.96	83	426170	5.489	uq/L	99
37) 1,2-Dichloropropane	8.99	63	216617	4.749	uq/L	99
38) Bromodichloromethane	9.28	83	251507	4.774	uq/L	96
39) cis-1,3-Dichloropropene	9.72	75	249453	5.025	uq/L	95
40) 4-Methyl-2-pentanone	9.86	43	706580	52.288	uq/L	100
42) Toluene	10.03	91	1108332	5.053	uq/L	94
44) trans-1,3-Dichloropropene	10.26	75	171559	4.965	uq/L	98
45) 1,1,2-Trichloroethane	10.44	97	90561	4.496	uq/L	95
47) Tetrachloroethene	10.51	164	199284	4.824	uq/L	89
48) 2-Hexanone	10.63	43	483743	50.416	uq/L	98
49) Dibromochloromethane	10.78	129	116268	4.746	uq/L	95
50) 1,2-Dibromoethane	10.88	107	76509	4.482	uq/L #	91
51) Chlorobenzene	11.31	112	582256	4.604	uq/L	96
52) Ethylbenzene	11.39	91	1292722	5.166	uq/L	99
53) m,p-Xylene	11.50	106	467477	5.203	uq/L	98
54) o-Xylene	11.83	106	414987	5.168	uq/L	99
55) Styrene	11.84	104	649094	5.049	uq/L	99
56) Isopropylbenzene	12.13	105	1206046	5.427	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	85904	4.468	uq/L	97
59) 1,2,3-Trichloropropane	12.43	75	63904	4.454	uq/L	98
61) Bromoform	12.01	173	42317	4.399	uq/L	97
62) 1,3-Dichlorobenzene	13.16	146	342560	4.825	uq/L	96
63) 1,4-Dichlorobenzene	13.24	146	374230	4.397	uq/L	97
65) 1,2-Dichlorobenzene	13.53	146	285237	4.639	uq/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	8117	3.455	uq/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	220113	4.720	uq/L	99
68) 1,2,4-trichlorobenzene	14.78	180	120173	4.630	uq/L	98
69) Naphthalene	15.00	128	105918	4.442	uq/L	96
70) 1,2,3-Trichlorobenzene	15.18	180	91749	4.986	uq/L	100

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

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