

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040519\
 Data File : VR026472.D
 Acq On : 5 Apr 2019 20:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Manual Integrations
 APPROVED

MMDadoda
 4/7/2019 12:58:07 PM

Quant Time: Apr 06 07:14:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 06 05:54:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	570778	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	468536	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	187098	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	160951	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	2.62	69	144463	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	3.61	63	478053	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	6.58	46	185385	47.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.90%
24) Chloroform-d	7.20	84	355996	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	7.90	65	145701	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	7.85	84	644366	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	8.89	67	171418	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	9.96	98	602637	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	10.23	79	39790	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	10.59	63	147779	53.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.14%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	69086	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	117080	4.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	224411	3.836	ug/L	94
3) Chloromethane	2.01	50	261720	4.242	ug/L	100
5) Vinyl chloride	2.15	62	263753	4.350	ug/L	99
6) Bromomethane	2.52	94	148056	4.176	ug/L	97
8) Chloroethane	2.65	64	152834	4.446	ug/L	98
9) Trichlorofluoromethane	2.94	101	373513	4.450	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	195656	4.225	ug/L	99
12) 1,1-Dichloroethene	3.62	96	225920	4.463	ug/L	94
13) Acetone	3.69	43	167912	42.973	ug/L	99
14) Carbon disulfide	3.92	76	640822	4.361	ug/L	99
15) Methyl Acetate	4.19	43	46632	4.423	ug/L	98
16) Methylene chloride	4.40	84	185584	4.124	ug/L	92
17) Methyl tert-butyl Ether	4.89	73	228266	3.965	ug/L	100
18) trans-1,2-Dichloroethene	4.89	96	202567	4.241	ug/L	93
19) 1,1-Dichloroethane	5.69	63	386935	4.360	ug/L	96
21) 2-Butanone	6.69	43	241516	48.074	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	184609	4.647	ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	52526	4.244	ug/L	91
25) Chloroform	7.23	83	366552	4.317	ug/L	97
27) 1,2-Dichloroethane	7.99	62	184159	4.349	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	326749	4.225	ug/L	97
30) Cyclohexane	7.51	56	337652	4.699	ug/L	99
31) Carbon tetrachloride	7.63	117	311006	4.245	ug/L	98
33) Benzene	7.90	78	837197	4.572	ug/L	100
34) Trichloroethene	8.71	95	208832	4.258	ug/L	97
35) Methylcyclohexane	8.95	83	308802	4.415	ug/L	99
37) 1,2-Dichloropropane	8.99	63	175941	4.385	ug/L	100
38) Bromodichloromethane	9.28	83	200784	4.330	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	198783	4.564	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	609876	51.869	ug/L	99
42) Toluene	10.03	91	894687	4.768	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	135296	4.258	ug/L	94
45) 1,1,2-Trichloroethane	10.44	97	70810	4.362	ug/L	94
47) Tetrachloroethene	10.51	164	152296	4.363	ug/L	91
48) 2-Hexanone	10.63	43	410573	52.498	ug/L	99
49) Dibromochloromethane	10.78	129	89429	4.206	ug/L	94
50) 1,2-Dibromoethane	10.89	107	63636	4.558	ug/L	100
51) Chlorobenzene	11.31	112	469732	4.461	ug/L	97
52) Ethylbenzene	11.39	91	1032216	4.775	ug/L	98
53) m,p-Xylene	11.50	106	363752	4.695	ug/L	98
54) o-Xylene	11.83	106	333466	4.898	ug/L	99
55) Styrene	11.84	104	517857	4.819	ug/L	96
56) Isopropylbenzene	12.13	105	956100	4.948	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	67840m	4.304	ug/L	
59) 1,2,3-Trichloropropane	12.43	75	55828	4.617	ug/L	95
61) Bromoform	12.01	173	30165	3.613	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	261878	4.367	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	283470	4.211	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	218195	4.386	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	7507	3.926	ug/L #	90
67) 1,3,5-Trichlorobenzene	14.29	180	161283	4.116	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	84472	3.879	ug/L	94
69) Naphthalene	15.00	128	86739	4.235	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	66791	4.425	ug/L	97

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

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