

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040719\
 Data File : VR026487.D
 Acq On : 7 Apr 2019 10:05
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00562

Quant Time: Apr 08 02:56:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 06 23:34:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	493776	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	405122	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	166757	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	177960	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	2.62	69	158273	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	3.61	63	513102	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	6.59	46	166183	49.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.36%
24) Chloroform-d	7.20	84	358492	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	7.89	65	151042	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	7.85	84	668591	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	8.89	67	173335	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	9.97	98	638463	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	10.23	79	37210	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	10.59	63	140263	58.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	66814	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	119130	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	202828	4.008 ug/L	99
3) Chloromethane	2.01	50	265227	4.969 ug/L	95
5) Vinyl chloride	2.16	62	257682	4.913 ug/L	98
6) Bromomethane	2.51	94	152760	4.981 ug/L	97
8) Chloroethane	2.65	64	164037	5.516 ug/L	99
9) Trichlorofluoromethane	2.93	101	405023	5.578 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	190144	4.746 ug/L	98
12) 1,1-Dichloroethene	3.62	96	221903	5.067 ug/L	93
13) Acetone	3.70	43	163142	48.264 ug/L	98
14) Carbon disulfide	3.93	76	649854	5.113 ug/L	100
15) Methyl Acetate	4.19	43	46120	5.057 ug/L	97
16) Methylene chloride	4.40	84	191429	4.917 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	226022	4.538 ug/L	100
18) trans-1,2-Dichloroethene	4.88	96	201297	4.872 ug/L	90
19) 1,1-Dichloroethane	5.69	63	384091	5.003 ug/L	95
21) 2-Butanone	6.69	43	234165	53.880 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	186510	5.427 ug/L #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	52835	4.934	ug/L	86
25) Chloroform	7.23	83	377437	5.138	ug/L	99
27) 1,2-Dichloroethane	7.99	62	180605	4.930	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	327734	4.901	ug/L	97
30) Cyclohexane	7.51	56	327830	5.277	ug/L	99
31) Carbon tetrachloride	7.63	117	324155	5.117	ug/L	99
33) Benzene	7.90	78	838936	5.299	ug/L	100
34) Trichloroethene	8.71	95	209188	4.933	ug/L	98
35) Methylcyclohexane	8.95	83	300536	4.969	ug/L	99
37) 1,2-Dichloropropane	8.99	63	179793	5.182	ug/L	99
38) Bromodichloromethane	9.28	83	205474	5.125	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	185336	4.921	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	601463	59.161	ug/L	98
42) Toluene	10.03	91	905325	5.580	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	127638	4.646	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	72545	5.169	ug/L	95
47) Tetrachloroethene	10.51	164	150949	5.002	ug/L	93
48) 2-Hexanone	10.63	43	401604	59.389	ug/L	100
49) Dibromochloromethane	10.79	129	94035	5.115	ug/L	95
50) 1,2-Dibromoethane	10.88	107	63474	5.258	ug/L #	94
51) Chlorobenzene	11.32	112	469332	5.155	ug/L	99
52) Ethylbenzene	11.39	91	1034812	5.536	ug/L	99
53) m,p-Xylene	11.50	106	366109	5.465	ug/L	99
54) o-Xylene	11.83	106	334949	5.690	ug/L	99
55) Styrene	11.84	104	527171	5.673	ug/L	94
56) Isopropylbenzene	12.13	105	968860	5.799	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	70629	5.182	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	54976	5.259	ug/L	99
61) Bromoform	12.01	173	36697	4.932	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	265028	4.958	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	296271	4.938	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	230961	5.209	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	6761	3.967	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.29	180	162566	4.655	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	93912	4.839	ug/L	100
69) Naphthalene	15.00	128	88146	4.829	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	72795	5.412	ug/L	93

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

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