

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR022519\
 Data File : VR026369.D
 Acq On : 25 Feb 2019 9:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 4:28:14 PM

Quant Time: Feb 26 06:17:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Feb 23 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	746198	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	619895	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	241136	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	263781	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	2.62	69	212816	3.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.00%
11) 1,1-Dichloroethene-d2	3.60	63	684156	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	6.58	46	240889	45.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.42%
24) Chloroform-d	7.20	84	507236	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	7.89	65	201083	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
32) Benzene-d6	7.85	84	984585	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	8.89	67	244887	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.00%
41) Toluene-d8	9.96	98	924385	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	10.23	79	67232	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	10.59	63	204169	51.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.84%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	92795	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	167439	4.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.82	85	315222	5.006	ug/L	95
3) Chloromethane	2.00	50	314879	3.961	ug/L	97
5) Vinyl chloride	2.15	62	324084	4.205	ug/L	100
6) Bromomethane	2.51	94	174413	3.929	ug/L	97
8) Chloroethane	2.65	64	185431	3.999	ug/L	99
9) Trichlorofluoromethane	2.93	101	482061	4.807	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	274092	4.691	ug/L	99
12) 1,1-Dichloroethene	3.62	96	299408	4.593	ug/L	84
13) Acetone	3.69	43	177770	37.090	ug/L	100
14) Carbon disulfide	3.92	76	937102	4.512	ug/L	97
15) Methyl Acetate	4.19	43	56287	4.150	ug/L	99
16) Methylene chloride	4.39	84	225696	3.961	ug/L	98
17) Methyl tert-butyl Ether	4.89	73	297012	4.869	ug/L	100
18) trans-1,2-Dichloroethene	4.87	96	283445	4.766	ug/L	94
19) 1,1-Dichloroethane	5.68	63	513210	4.711	ug/L	98
21) 2-Butanone	6.68	43	286467	47.687	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	253118	5.070	ug/L #	97

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

23) Bromochloromethane	7.04	128	69774	4.511	ug/L	95
25) Chloroform	7.23	83	490506	4.696	ug/L	92
27) 1,2-Dichloroethane	7.99	62	232005m	4.694	ug/L	
29) 1,1,1-Trichloroethane	7.42	97	442437	4.925	ug/L	100
30) Cyclohexane	7.51	56	508299	5.917	ug/L	98
31) Carbon tetrachloride	7.63	117	413510	4.952	ug/L	99
33) Benzene	7.90	78	1144548	4.804	ug/L	100
34) Trichloroethene	8.71	95	290584	4.849	ug/L	94
35) Methylcyclohexane	8.95	83	484516	5.701	ug/L	99
37) 1,2-Dichloropropane	8.99	63	237865	4.702	ug/L	98
38) Bromodichloromethane	9.28	83	266613	4.596	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	286336	5.183	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	716763	51.818	ug/L	99
42) Toluene	10.03	91	1194636	4.993	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	206239	5.119	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	92582	4.430	ug/L	94
47) Tetrachloroethene	10.51	164	207083	4.766	ug/L	91
48) 2-Hexanone	10.63	43	483899	50.629	ug/L	100
49) Dibromochloromethane	10.78	129	121349	4.671	ug/L	97
50) 1,2-Dibromoethane	10.88	107	78840	4.840	ug/L #	96
51) Chlorobenzene	11.31	112	628357	4.803	ug/L	99
52) Ethylbenzene	11.39	91	1407698	5.235	ug/L	99
53) m,p-Xylene	11.50	106	506128	5.280	ug/L	98
54) o-Xylene	11.83	106	447118	5.343	ug/L	98
55) Styrene	11.84	104	695522	5.259	ug/L	100
56) Isopropylbenzene	12.13	105	1333721	5.613	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	89658	4.709	ug/L #	89
59) 1,2,3-Trichloropropane	12.43	75	68773	4.934	ug/L	100
61) Bromoform	12.01	173	47952	4.288	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	368349	5.029	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	386946	4.758	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	292925	4.834	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	8887	3.940	ug/L	92
67) 1,3,5-Trichlorobenzene	14.29	180	222906	4.912	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	132582	5.089	ug/L	99
69) Naphthalene	15.00	128	128143	5.329	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	96851	5.278	ug/L	98

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

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