

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022819\
 Data File : VR026428.D
 Acq On : 28 Feb 2019 20:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00594

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 4:34:02 PM

Quant Time: Mar 01 07:25:42 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Mar 01 06:30:52 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	532994	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	448318	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	178863	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	185174	3.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.00%
7) Chloroethane-d5	2.62	69	161832	3.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.60%
11) 1,1-Dichloroethene-d2	3.61	63	512371	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	6.59	46	151957	39.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.86%
24) Chloroform-d	7.20	84	344924	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
26) 1,2-Dichloroethane-d4	7.89	65	141767	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
32) Benzene-d6	7.85	84	641421	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.20%
36) 1,2-Dichloropropane-d6	8.89	67	161378	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.60%
41) Toluene-d8	9.96	98	609906	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	10.23	79	38569	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	10.59	63	128931	45.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.66%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	62337	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	110093	3.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	71.20%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	201555	4.481 ug/L	97
3) Chloromethane	2.01	50	244837	4.312 ug/L	99
5) Vinyl chloride	2.16	62	242997	4.414 ug/L	93
6) Bromomethane	2.52	94	144339	4.552 ug/L	96
8) Chloroethane	2.65	64	143469	4.332 ug/L	94
9) Trichlorofluoromethane	2.93	101	362279m	5.058 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	202208	4.845 ug/L	96
12) 1,1-Dichloroethene	3.63	96	208410	4.475 ug/L	93
13) Acetone	3.69	43	162041	47.331 ug/L	100
14) Carbon disulfide	3.93	76	628147	4.234 ug/L	99
15) Methyl Acetate	4.19	43	44292	4.571 ug/L	91
16) Methylene chloride	4.40	84	178311	4.382 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	206262	4.734 ug/L #	88
18) trans-1,2-Dichloroethene	4.88	96	191107	4.499 ug/L	92
19) 1,1-Dichloroethane	5.68	63	347892	4.471 ug/L	96
21) 2-Butanone	6.69	43	215606	50.248 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	170320	4.776 ug/L #	86

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

23) Bromochloromethane	7.04	128	48614	4.400	ug/L	96
25) Chloroform	7.23	83	342697	4.593	ug/L	90
27) 1,2-Dichloroethane	7.99	62	169254	4.794	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	304994	4.694	ug/L	97
30) Cyclohexane	7.51	56	304429	4.900	ug/L	96
31) Carbon tetrachloride	7.63	117	294959	4.884	ug/L	99
33) Benzene	7.90	78	762188	4.424	ug/L	100
34) Trichloroethene	8.71	95	194484	4.487	ug/L	97
35) Methylcyclohexane	8.96	83	304561	4.955	ug/L	98
37) 1,2-Dichloropropane	8.99	63	164614	4.499	ug/L	98
38) Bromodichloromethane	9.28	83	189709	4.522	ug/L #	93
39) cis-1,3-Dichloropropene	9.72	75	186169	4.659	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	544952	54.475	ug/L	98
42) Toluene	10.03	91	807066	4.664	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	131879	4.526	ug/L	99
45) 1,1,2-Trichloroethane	10.44	97	66548	4.403	ug/L	92
47) Tetrachloroethene	10.51	164	139269	4.432	ug/L	96
48) 2-Hexanone	10.63	43	365990	52.947	ug/L	98
49) Dibromochloromethane	10.79	129	87419	4.652	ug/L	97
50) 1,2-Dibromoethane	10.88	107	57314	4.865	ug/L #	92
51) Chlorobenzene	11.32	112	438391	4.634	ug/L	98
52) Ethylbenzene	11.39	91	963885	4.956	ug/L	98
53) m,p-Xylene	11.50	106	338051	4.876	ug/L	99
54) o-Xylene	11.83	106	306136	5.059	ug/L	99
55) Styrene	11.84	104	475930	4.976	ug/L	97
56) Isopropylbenzene	12.13	105	898599	5.229	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	64938	4.716	ug/L #	95
59) 1,2,3-Trichloropropane	12.43	75	50397	4.999	ug/L	99
61) Bromoform	12.01	173	32965	3.974	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	246333	4.534	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	276770	4.588	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	206823	4.601	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	6889	4.118	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.29	180	150296	4.465	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	83252	4.308	ug/L	99
69) Naphthalene	15.00	128	78160	4.382	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	65621	4.821	ug/L	100

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

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