

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021919\
 Data File : VR026339.D
 Acq On : 19 Feb 2019 15:37
 Operator : SY/MD
 Sample : VSTD00592
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 3:41:37 PM

Quant Time: Feb 19 16:06:38 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Feb 19 14:34:57 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	581192	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	504533	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	203017	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	218156	4.12	ug/L	0.00
7) Chloroethane-d5	2.63	69	193126	4.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	568965	4.47	ug/L	0.00
20) 2-Butanone-d5	6.58	46	172180	50.96	ug/L	0.00
24) Chloroform-d	7.20	84	409601	4.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	152255	4.75	ug/L	0.00
32) Benzene-d6	7.85	84	793128	4.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	200842	4.55	ug/L	0.00
41) Toluene-d8	9.97	98	758870	4.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	52860	4.45	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	154032	57.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78688	4.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	147405	4.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	215383	4.022 ug/L	98
3) Chloromethane	2.02	50	276877	4.528 ug/L	97
5) Vinyl chloride	2.17	62	271140	4.402 ug/L	98
6) Bromomethane	2.53	94	185535	4.683 ug/L	93
8) Chloroethane	2.66	64	170972	4.620 ug/L	98
9) Trichlorofluoromethane	2.93	101	442446m	4.436 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	243954	4.624 ug/L	96
12) 1,1-Dichloroethene	3.62	96	255092	4.594 ug/L	87
13) Acetone	3.69	43	181578	50.954 ug/L	99
14) Carbon disulfide	3.93	76	783191	4.314 ug/L	98
15) Methyl Acetate	4.19	43	48937	4.990 ug/L	99
16) Methylene chloride	4.40	84	222149	4.725 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	253034	5.190 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	234912	4.661 ug/L	99
19) 1,1-Dichloroethane	5.69	63	410279	4.743 ug/L	98
21) 2-Butanone	6.68	43	231644	57.420 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	209248	5.148 ug/L	91
23) Bromochloromethane	7.05	128	63082	4.975 ug/L	95
25) Chloroform	7.23	83	402560	4.790 ug/L	97
27) 1,2-Dichloroethane	7.99	62	185367	5.099 ug/L	# 93
29) 1,1,1-Trichloroethane	7.43	97	368940	4.442 ug/L	99
30) Cyclohexane	7.51	56	339062	5.099 ug/L	99
31) Carbon tetrachloride	7.63	117	337516	4.384 ug/L	98
33) Benzene	7.90	78	933571	4.677 ug/L	100
34) Trichloroethene	8.71	95	233706	4.540 ug/L	98
35) Methylcyclohexane	8.95	83	356350	4.978 ug/L	98
37) 1,2-Dichloropropane	8.99	63	199709	4.633 ug/L	100
38) Bromodichloromethane	9.28	83	224889	4.679 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	231866	5.228 ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	599129	60.298 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	1003857	4.892	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	166335	5.055	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	83752	4.653	ug/L	96
47) Tetrachloroethene	10.51	164	175796	4.451	ug/L	94
48) 2-Hexanone	10.63	43	402780	60.285	ug/L	97
49) Dibromochloromethane	10.79	129	112683	4.871	ug/L	97
50) 1,2-Dibromoethane	10.89	107	70680	4.939	ug/L	85
51) Chlorobenzene	11.31	112	544257	4.639	ug/L	99
52) Ethylbenzene	11.39	91	1145669	4.994	ug/L	98
53) m,p-Xylene	11.50	106	413328	4.931	ug/L	97
54) o-Xylene	11.83	106	379244	5.246	ug/L	94
55) Styrene	11.84	104	598706	5.272	ug/L	97
56) Isopropylbenzene	12.13	105	1086944	5.289	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	83147	4.987	ug/L #	95
59) 1,2,3-Trichloropropane	12.43	75	58162	4.840	ug/L	96
61) Bromoform	12.01	173	43342	4.335	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	302746	4.566	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	338543	4.472	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	266591	4.692	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	8802	4.285	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	200504	4.718	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	109588	4.778	ug/L	96
69) Naphthalene	15.00	128	104475	5.076	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	82512	4.984	ug/L	97

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

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