

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103119\
 Data File : VV013445.D
 Acq On : 31 Oct 2019 13:59
 Operator : SY/MD
 Sample : VSTD00134
 Misc : 25.0ML/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

Manual Integrations
 APPROVED

MMDadoda
 11/1/2019 9:35:40 AM

Quant Time: Nov 01 05:00:35 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Nov 01 04:50:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	359889	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	385415	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	218428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27101	0.83	ug/L	0.00
7) Chloroethane-d5	1.58	69	22365	0.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	45463	0.84	ug/L	0.00
20) 2-Butanone-d5	3.99	46	78143m	10.21	ug/L	0.05
24) Chloroform-d	4.40	84	64995	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	33135	1.00	ug/L	0.00
32) Benzene-d6	5.10	84	122458	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	39639	0.96	ug/L	0.00
41) Toluene-d8	7.36	98	111827	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	15567	1.02	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	49039	9.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29541	1.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	46291	1.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	38543	0.810 ug/L	100
3) Chloromethane	1.25	50	30978	0.774 ug/L	98
5) Vinyl chloride	1.32	62	30381	0.779 ug/L	93
6) Bromomethane	1.53	94	14205	0.699 ug/L	96
8) Chloroethane	1.60	64	16445	0.745 ug/L	98
9) Trichlorofluoromethane	1.77	101	41331	0.807 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23848	0.838 ug/L	99
12) 1,1-Dichloroethene	2.14	96	21951	0.803 ug/L	93
13) Acetone	2.24	43	29250m	7.473 ug/L	
14) Carbon disulfide	2.31	76	70369	0.854 ug/L	97
15) Methyl Acetate	2.47	43	9170m	0.640 ug/L	
16) Methylene chloride	2.53	84	39928	1.008 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	64480	0.874 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	30238	0.837 ug/L	99
19) 1,1-Dichloroethane	3.23	63	54676	0.825 ug/L	98
21) 2-Butanone	4.07	43	67392m	7.920 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	31348	0.859 ug/L #	86
23) Bromochloromethane	4.30	128	14577	0.882 ug/L	96
25) Chloroform	4.43	83	63304	0.899 ug/L	98
27) 1,2-Dichloroethane	5.18	62	33906	0.872 ug/L #	95
29) 1,1,1-Trichloroethane	4.65	97	45096	0.799 ug/L	97
30) Cyclohexane	4.72	56	46150	0.774 ug/L	99
31) Carbon tetrachloride	4.87	117	40131	0.783 ug/L	97
33) Benzene	5.14	78	111540	0.784 ug/L	100
34) Trichloroethene	5.96	95	31511	0.804 ug/L	93
35) Methylcyclohexane	6.17	83	43963	0.753 ug/L	98
37) 1,2-Dichloropropane	6.22	63	28418	0.791 ug/L #	96
38) Bromodichloromethane	6.55	83	38540	0.850 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	39087	0.800 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	175766	8.540 ug/L	96

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

42) Toluene	7.43	91	119807	0.811	ug/L	95
44) trans-1,3-Dichloropropene	7.69	75	30100	0.775	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	21730	0.900	ug/L	98
47) Tetrachloroethene	8.02	164	27822	0.842	ug/L	98
48) 2-Hexanone	8.19	43	133533	9.018	ug/L	96
49) Dibromochloromethane	8.29	129	25145	0.837	ug/L	97
50) 1,2-Dibromoethane	8.40	107	20220	0.909	ug/L	99
51) Chlorobenzene	8.92	112	79454	0.830	ug/L	98
52) Ethylbenzene	9.05	91	121929	0.775	ug/L	97
53) m,p-xylene	9.18	106	43811	0.751	ug/L	98
54) o-xylene	9.58	106	43309	0.763	ug/L	94
55) Styrene	9.60	104	67705	0.712	ug/L	99
56) Isopropylbenzene	9.97	105	111555	0.734	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	22947	0.877	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	19081	0.895	ug/L	99
61) Bromoform	9.77	173	14486	0.895	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	61890	0.852	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	64584	0.884	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	60704	0.898	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3577	1.016	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	45707	0.786	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	38190	0.845	ug/L	99
69) Naphthalene	13.55	128	49232	0.778	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	34367	0.830	ug/L	98

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

