

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072919\
 Data File : VV012063.D
 Acq On : 29 Jul 2019 15:34
 Operator : SY/MD
 Sample : MDL01
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 10:58:13 AM

Quant Time: Jul 30 08:57:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 30 08:46:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	178048	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	169331	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	85713	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39356	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.59	69	27944	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	2.13	63	55594	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	3.97	46	97915	42.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.56%
24) Chloroform-d	4.40	84	89022	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.08	65	49586	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.10	84	189409	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.12	67	53737	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.36	98	172340	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.66	79	20121	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.14	63	77537	42.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.06%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	36451	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
66) 1,2-Dichlorobenzene-d4	11.67	152	68233	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5046	0.249 ug/L	96
3) Chloromethane	1.25	50	3048	0.262 ug/L	95
5) Vinyl chloride	1.32	62	2938	0.247 ug/L #	60
6) Bromomethane	1.54	94	1529	0.215 ug/L	95
8) Chloroethane	1.60	64	1696	0.263 ug/L	97
9) Trichlorofluoromethane	1.77	101	4811	0.237 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2550	0.289 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	2314	0.283 ug/L #	1
13) Acetone	2.23	43	3545m	2.815 ug/L	
14) Carbon disulfide	2.32	76	5768	0.253 ug/L #	94
15) Methyl Acetate	2.48	43	632	0.244 ug/L #	73
16) Methylene chloride	2.54	84	2815	0.336 ug/L	84
17) Methyl tert-butyl Ether	2.81	73	6464	0.251 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	2877	0.244 ug/L	93
19) 1,1-Dichloroethane	3.23	63	5316	0.252 ug/L	91
21) 2-Butanone	4.06	43	7113m	2.862 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3322	0.265 ug/L	86

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23) Bromochloromethane	4.29	128	1415	0.257	ug/L	75
25) Chloroform	4.43	83	15213	0.576	ug/L	99
27) 1,2-Dichloroethane	5.19	62	3862	0.265	ug/L #	76
29) 1,1,1-Trichloroethane	4.66	97	4861	0.232	ug/L	96
30) Cyclohexane	4.72	56	4444	0.248	ug/L	97
31) Carbon tetrachloride	4.87	117	4517	0.240	ug/L #	56
33) Benzene	5.15	78	12264	0.267	ug/L	100
34) Trichloroethene	5.96	95	3759	0.287	ug/L	90
35) Methylcyclohexane	6.17	83	5166	0.251	ug/L	96
37) 1,2-Dichloropropane	6.22	63	2869	0.270	ug/L #	90
38) Bromodichloromethane	6.56	83	4028	0.268	ug/L #	97
39) cis-1,3-Dichloropropene	7.07	75	4376	0.262	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	13784	2.296	ug/L #	86
42) Toluene	7.43	91	13423	0.262	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	2922m	0.217	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	2017	0.249	ug/L	89
47) Tetrachloroethene	8.02	164	3203	0.279	ug/L	86
48) 2-Hexanone	8.19	43	10929	2.576	ug/L	90
49) Dibromochloromethane	8.29	129	2409	0.242	ug/L	93
50) 1,2-Dibromoethane	8.40	107	2022	0.267	ug/L #	86
51) Chlorobenzene	8.93	112	9390	0.275	ug/L	94
52) Ethylbenzene	9.06	91	13828	0.237	ug/L	92
53) m,p-xylene	9.18	106	5568	0.251	ug/L	89
54) o-xylene	9.59	106	4908	0.233	ug/L	89
55) Styrene	9.60	104	8097	0.229	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.29	83	2451	0.281	ug/L	97
59) Bromoform	9.77	173	1215	0.234	ug/L #	89
60) Isopropylbenzene	9.97	105	13696	0.250	ug/L	97
61) 1,2,3-Trichloropropane	10.32	75	1616	0.259	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	10655	0.236	ug/L	96
63) 1,2,4-Trimethylbenzene	10.96	105	9557	0.213	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	7488	0.274	ug/L	90
65) 1,4-Dichlorobenzene	11.32	146	8235	0.296	ug/L	98
67) 1,2-Dichlorobenzene	11.69	146	6695	0.270	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	327	0.254	ug/L	88
69) 1,3,5-Trichlorobenzene	12.69	180	6099	0.270	ug/L	96
70) 1,2,4-trichlorobenzene	13.31	180	4826	0.270	ug/L	93
71) Naphthalene	13.55	128	5991	0.242	ug/L	96
72) 1,2,3-Trichlorobenzene	13.79	180	3990	0.252	ug/L	97

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

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