

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073019\
 Data File : VV012069.D
 Acq On : 30 Jul 2019 11:39
 Operator : SY/MD
 Sample : MDL03
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 3:18:17 PM

Quant Time: Jul 31 09:32:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 31 09:22:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	123016	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	115785	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	59050	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32723	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	25100	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.13	63	51225	4.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	3.96	46	85405	54.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.02%
24) Chloroform-d	4.40	84	81460	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.08	65	46028	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
32) Benzene-d6	5.10	84	163703	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
36) 1,2-Dichloropropane-d6	6.12	67	45699	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.36	98	151857	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.66	79	18936	5.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.20%
46) 2-Hexanone-d5	8.13	63	67865	53.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.62%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	32483	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
66) 1,2-Dichlorobenzene-d4	11.67	152	61762	5.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3877	0.277 ug/L	93
3) Chloromethane	1.25	50	2085	0.260 ug/L	97
5) Vinyl chloride	1.32	62	2170	0.264 ug/L #	50
6) Bromomethane	1.54	94	1265	0.258 ug/L	86
8) Chloroethane	1.60	64	1229	0.275 ug/L	88
9) Trichlorofluoromethane	1.77	101	3963	0.282 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2191	0.359 ug/L #	80
12) 1,1-Dichloroethene	2.14	96	1925	0.341 ug/L #	1
13) Acetone	2.23	43	2409m	2.768 ug/L	
14) Carbon disulfide	2.32	76	4676	0.296 ug/L #	92
15) Methyl Acetate	2.46	43	465	0.260 ug/L #	60
16) Methylene chloride	2.54	84	2169	0.374 ug/L	88
17) Methyl tert-butyl Ether	2.81	73	4856	0.273 ug/L	95
18) trans-1,2-Dichloroethene	2.78	96	2163	0.266 ug/L	86
19) 1,1-Dichloroethane	3.23	63	4192	0.288 ug/L	94
21) 2-Butanone	4.06	43	5492m	3.199 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2389	0.276 ug/L	93

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

23) Bromochloromethane	4.30	128	933	0.245	ug/L	94
25) Chloroform	4.42	83	10482	0.574	ug/L	90
27) 1,2-Dichloroethane	5.19	62	3030	0.301	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	4081	0.285	ug/L	99
30) Cyclohexane	4.71	56	3158	0.258	ug/L	90
31) Carbon tetrachloride	4.87	117	3563	0.277	ug/L	98
33) Benzene	5.15	78	8697	0.277	ug/L	100
34) Trichloroethene	5.96	95	2637	0.294	ug/L	93
35) Methylcyclohexane	6.17	83	3591	0.256	ug/L #	81
37) 1,2-Dichloropropane	6.23	63	1913	0.263	ug/L #	86
38) Bromodichloromethane	6.56	83	2904	0.283	ug/L #	97
39) cis-1,3-Dichloropropene	7.07	75	2710	0.238	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	9968	2.429	ug/L #	87
42) Toluene	7.43	91	10146	0.290	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	2686m	0.291	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	1495	0.269	ug/L	90
47) Tetrachloroethene	8.03	164	2545	0.325	ug/L #	46
48) 2-Hexanone	8.19	43	7745	2.670	ug/L #	91
49) Dibromochloromethane	8.29	129	1681	0.247	ug/L	89
50) 1,2-Dibromoethane	8.40	107	1340	0.258	ug/L #	99
51) Chlorobenzene	8.93	112	6310	0.270	ug/L	93
52) Ethylbenzene	9.05	91	10757	0.270	ug/L	96
53) m,p-xylene	9.18	106	4002	0.263	ug/L	91
54) o-xylene	9.59	106	3585	0.249	ug/L	91
55) Styrene	9.60	104	5451	0.225	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.29	83	1719	0.289	ug/L #	90
59) Bromoform	9.77	173	1081	0.303	ug/L #	92
60) Isopropylbenzene	9.97	105	9818	0.260	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	1478	0.343	ug/L	93
62) 1,3,5-Trimethylbenzene	10.58	105	7418	0.238	ug/L	94
63) 1,2,4-Trimethylbenzene	10.95	105	7913	0.256	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	5330	0.284	ug/L	97
65) 1,4-Dichlorobenzene	11.32	146	5494	0.287	ug/L #	89
67) 1,2-Dichlorobenzene	11.69	146	5111	0.299	ug/L #	86
68) 1,2-Dibromo-3-chloropropan	12.49	75	151	0.170	ug/L	92
69) 1,3,5-Trichlorobenzene	12.69	180	4089	0.263	ug/L #	95
70) 1,2,4-trichlorobenzene	13.31	180	3183	0.259	ug/L	90
71) Naphthalene	13.55	128	3958	0.232	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.79	180	2807	0.257	ug/L	99

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

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