

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073019\
 Data File : VV012070.D
 Acq On : 30 Jul 2019 12:04
 Operator : SY/MD
 Sample : MDL04
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 3:18:21 PM

Quant Time: Jul 31 09:34:00 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	120711	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	116853	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	58111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30604	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.58	69	23477	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.13	63	49701	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.96	46	83344	53.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.44%
24) Chloroform-d	4.40	84	77749	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.08	65	43142	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.10	84	153649	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.12	67	42983	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.36	98	142060	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.66	79	17937	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.14	63	64429	50.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.22%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	31054	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
66) 1,2-Dichlorobenzene-d4	11.67	152	57583	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3514	0.255	ug/L	94
3) Chloromethane	1.25	50	1961	0.249	ug/L	100
5) Vinyl chloride	1.32	62	1760	0.218	ug/L #	50
6) Bromomethane	1.53	94	1042	0.216	ug/L	93
8) Chloroethane	1.60	64	1050	0.240	ug/L	91
9) Trichlorofluoromethane	1.77	101	3578	0.260	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2049	0.342	ug/L	84
12) 1,1-Dichloroethene	2.14	96	2002	0.361	ug/L #	1
13) Acetone	2.24	43	2316m	2.712	ug/L	
14) Carbon disulfide	2.32	76	3914	0.253	ug/L #	93
15) Methyl Acetate	2.47	43	406m	0.231	ug/L	
16) Methylene chloride	2.54	84	1915	0.337	ug/L	87
17) Methyl tert-butyl Ether	2.81	73	4576	0.262	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	1806	0.226	ug/L	98
19) 1,1-Dichloroethane	3.23	63	3487	0.244	ug/L	93
21) 2-Butanone	4.06	43	4173m	2.477	ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2236	0.263	ug/L	69

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

23) Bromochloromethane	4.30	128	792	0.212	ug/L #	77
25) Chloroform	4.43	83	11475	0.640	ug/L	99
27) 1,2-Dichloroethane	5.18	62	2671	0.270	ug/L #	95
29) 1,1,1-Trichloroethane	4.66	97	3578	0.248	ug/L	97
30) Cyclohexane	4.72	56	2992	0.242	ug/L #	59
31) Carbon tetrachloride	4.88	117	3199	0.246	ug/L	92
33) Benzene	5.15	78	8105	0.255	ug/L	100
34) Trichloroethene	5.96	95	2096	0.232	ug/L	80
35) Methylcyclohexane	6.18	83	3408	0.240	ug/L	96
37) 1,2-Dichloropropane	6.22	63	1885	0.257	ug/L #	86
38) Bromodichloromethane	6.56	83	2773	0.267	ug/L #	89
39) cis-1,3-Dichloropropene	7.07	75	2803	0.243	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	9242	2.231	ug/L #	86
42) Toluene	7.43	91	9028	0.256	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	2361	0.254	ug/L #	81
45) 1,1,2-Trichloroethane	7.88	97	1411	0.252	ug/L	93
47) Tetrachloroethene	8.02	164	2157	0.273	ug/L	99
48) 2-Hexanone	8.19	43	7411	2.531	ug/L	94
49) Dibromochloromethane	8.29	129	1393	0.203	ug/L	85
50) 1,2-Dibromoethane	8.40	107	1351	0.258	ug/L #	86
51) Chlorobenzene	8.92	112	5987	0.254	ug/L	91
52) Ethylbenzene	9.05	91	9300	0.231	ug/L	97
53) m,p-xylene	9.18	106	3794	0.247	ug/L	86
54) o-xylene	9.59	106	3097	0.213	ug/L	80
55) Styrene	9.60	104	4975	0.204	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	1599	0.266	ug/L #	87
59) Bromoform	9.77	173	1014	0.289	ug/L #	86
60) Isopropylbenzene	9.97	105	8675	0.234	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	1161	0.274	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.58	105	7099	0.232	ug/L	95
63) 1,2,4-Trimethylbenzene	10.96	105	6594	0.216	ug/L	94
64) 1,3-Dichlorobenzene	11.23	146	4897	0.265	ug/L	93
65) 1,4-Dichlorobenzene	11.32	146	5109	0.271	ug/L	97
67) 1,2-Dichlorobenzene	11.69	146	4918	0.293	ug/L	90
68) 1,2-Dibromo-3-chloropropan	12.48	75	316	0.362	ug/L #	67
69) 1,3,5-Trichlorobenzene	12.69	180	4113	0.269	ug/L	94
70) 1,2,4-trichlorobenzene	13.31	180	3057	0.253	ug/L #	96
71) Naphthalene	13.56	128	3491	0.208	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	2669	0.249	ug/L	94

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

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