

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073119\
 Data File : VV012085.D
 Acq On : 30 Jul 2019 22:17
 Operator : SY/MD
 Sample : MDL02
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 9:58:15 AM

Quant Time: Jul 31 06:33:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 31 05:31:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	110585	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	106579	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25535	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.59	69	19932	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.13	63	42110	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	3.97	46	74254	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	4.40	84	69728	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	40764	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.10	84	137759	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.12	67	37784	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.36	98	128486	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.67	79	15840	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.14	63	57758	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27005	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	53159	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3436	0.280 ug/L	98
3) Chloromethane	1.25	50	1896	0.324 ug/L	95
5) Vinyl chloride	1.32	62	1920	0.300 ug/L #	62
6) Bromomethane	1.54	94	1078	0.272 ug/L	88
8) Chloroethane	1.60	64	1322	0.371 ug/L	87
9) Trichlorofluoromethane	1.77	101	4001	0.322 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1965	0.371 ug/L	87
12) 1,1-Dichloroethene	2.14	96	1918	0.395 ug/L #	1
13) Acetone	2.24	43	2568	3.501 ug/L	78
14) Carbon disulfide	2.32	76	4192	0.316 ug/L	100
15) Methyl Acetate	2.48	43	503	0.302 ug/L #	63
16) Methylene chloride	2.54	84	1743	0.346 ug/L #	77
17) Methyl tert-butyl Ether	2.81	73	4699	0.291 ug/L #	90
18) trans-1,2-Dichloroethene	2.78	96	2294	0.317 ug/L	89
19) 1,1-Dichloroethane	3.23	63	3863	0.300 ug/L #	85
21) 2-Butanone	4.07	43	4740m	3.259 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2281	0.294 ug/L	97

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

23) Bromochloromethane	4.30	128	811	0.233	ug/L	94
25) Chloroform	4.43	83	11292	0.676	ug/L	97
27) 1,2-Dichloroethane	5.19	62	2890	0.314	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	4060	0.293	ug/L #	87
30) Cyclohexane	4.72	56	3014	0.286	ug/L #	89
31) Carbon tetrachloride	4.88	117	3337	0.269	ug/L	97
33) Benzene	5.15	78	8278	0.293	ug/L	100
34) Trichloroethene	5.96	95	2534	0.311	ug/L	84
35) Methylcyclohexane	6.17	83	3412	0.276	ug/L #	90
37) 1,2-Dichloropropane	6.23	63	1913	0.293	ug/L #	82
38) Bromodichloromethane	6.56	83	2849	0.297	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	2691	0.265	ug/L	85
40) 4-Methyl-2-pentanone	7.28	43	9180	2.581	ug/L #	85
42) Toluene	7.43	91	9756	0.316	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	2586m	0.315	ug/L	
45) 1,1,2-Trichloroethane	7.89	97	1645	0.338	ug/L	84
47) Tetrachloroethene	8.02	164	2168	0.293	ug/L	90
48) 2-Hexanone	8.19	43	8202	3.316	ug/L	95
49) Dibromochloromethane	8.29	129	1788	0.283	ug/L	92
50) 1,2-Dibromoethane	8.40	107	1549	0.332	ug/L #	98
51) Chlorobenzene	8.92	112	6494	0.310	ug/L	96
52) Ethylbenzene	9.05	91	10115	0.284	ug/L	97
53) m,p-xylene	9.18	106	3756	0.275	ug/L	97
54) o-xylene	9.59	106	3693	0.282	ug/L	100
55) Styrene	9.61	104	5419	0.244	ug/L	98
56) Isopropylbenzene	9.97	105	9742	0.269	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	1804	0.335	ug/L	89
59) 1,2,3-Trichloropropane	10.32	75	1203	0.296	ug/L	90
61) Bromoform	9.77	173	980	0.299	ug/L #	88
62) 1,3-Dichlorobenzene	11.22	146	5266	0.310	ug/L	90
63) 1,4-Dichlorobenzene	11.32	146	5686	0.328	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	4943	0.322	ug/L #	86
66) 1,2-Dibromo-3-chloropropan	12.48	75	210	0.254	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	4525	0.325	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	3326	0.296	ug/L	88
69) Naphthalene	13.56	128	4129	0.273	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.79	180	3008	0.301	ug/L	96

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

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