

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050720\
 Data File : VV015941.D
 Acq On : 07 May 2020 15:33
 Operator : SY/MD
 Sample : MDL03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

apatel
 5/8/2020 12:58:15 PM

Quant Time: May 08 05:45:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 05:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	151748	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147276	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	70555	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38840	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	36638	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.12	63	62480	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.97	46	112351	47.84	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.68%
24) Chloroform-d	4.38	84	83039	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.06	65	52232	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.07	84	171461	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.10	67	55423	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.34	98	155444	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.65	79	19510	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
48) 2-Hexanone-d5	8.12	63	88535	48.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.02%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38007	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	58522	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3040	0.261 ug/L	99
3) Chloromethane	1.25	50	3421	0.291 ug/L	92
5) Vinyl chloride	1.32	62	3250	0.289 ug/L #	67
6) Bromomethane	1.53	94	1695	0.265 ug/L	85
8) Chloroethane	1.59	64	1758m	0.219 ug/L	
9) Trichlorofluoromethane	1.76	101	3930	0.255 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2798	0.321 ug/L	91
12) 1,1-Dichloroethene	2.13	96	2756	0.330 ug/L #	1
13) Acetone	2.26	43	3122m	2.015 ug/L	
14) Carbon disulfide	2.31	76	6927	0.251 ug/L	96
16) Methylene chloride	2.52	84	3099	0.310 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	5510	0.254 ug/L #	86
18) trans-1,2-Dichloroethene	2.78	96	2285	0.248 ug/L	94
19) 1,1-Dichloroethane	3.21	63	4316	0.243 ug/L	91
21) 2-Butanone	4.06	43	4331m	1.836 ug/L	
22) cis-1,2-Dichloroethene	3.94	96	2381	0.246 ug/L	93
23) Bromochloromethane	4.29	128	952	0.231 ug/L #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	12108	0.619	ug/L	98
27) 1,2-Dichloroethane	5.16	62	3468	0.288	ug/L #	93
29) 1,1,1-Trichloroethane	4.64	97	3884	0.239	ug/L	99
30) Cyclohexane	4.70	56	4206	0.258	ug/L	93
31) Carbon tetrachloride	4.85	117	3343	0.239	ug/L	93
33) Benzene	5.13	78	9568	0.258	ug/L	100
34) Trichloroethene	5.94	95	2408	0.228	ug/L	89
35) Methylcyclohexane	6.15	83	3942	0.246	ug/L	99
37) 1,2-Dichloropropane	6.21	63	2584	0.274	ug/L #	87
38) Bromodichloromethane	6.54	83	2855	0.239	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	3399	0.255	ug/L	87
40) 4-Methyl-2-pentanone	7.26	43	13357	2.276	ug/L #	90
42) Toluene	7.41	91	10009	0.255	ug/L	88
43) 1,3,5-Trimethylbenzene	10.56	105	7325	0.203	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	6890	0.191	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	2465	0.219	ug/L	87
47) 1,1,2-Trichloroethane	7.87	97	1567	0.249	ug/L	89
49) Tetrachloroethene	8.00	164	1939	0.263	ug/L	93
50) 2-Hexanone	8.17	43	14668	3.535	ug/L #	92
51) Dibromochloromethane	8.27	129	1581	0.224	ug/L	95
52) 1,2-Dibromoethane	8.38	107	1515	0.260	ug/L #	88
53) Chlorobenzene	8.90	112	6467	0.256	ug/L	96
54) Ethylbenzene	9.04	91	10058	0.225	ug/L	90
55) m,p-xylene	9.16	106	4131	0.250	ug/L	76
56) o-xylene	9.57	106	3628	0.229	ug/L	85
57) Styrene	9.59	104	5736	0.217	ug/L	97
58) Isopropylbenzene	9.95	105	10352	0.238	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.26	83	1952	0.291	ug/L #	82
62) Bromoform	9.76	173	562	0.173	ug/L #	85
63) 1,3-Dichlorobenzene	11.21	146	4693	0.247	ug/L	96
64) 1,4-Dichlorobenzene	11.30	146	5146	0.269	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	4534	0.264	ug/L #	90
67) 1,2-Dibromo-3-chloropropan	12.45	75	359m	0.320	ug/L	
68) 1,3,5-Trichlorobenzene	12.67	180	3453	0.248	ug/L	96
69) 1,2,4-trichlorobenzene	13.29	180	3142	0.263	ug/L	97
70) Naphthalene	13.53	128	4828	0.254	ug/L #	89
71) 1,2,3-Trichlorobenzene	13.77	180	2705	0.257	ug/L	94

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

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