

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL053118\
 Data File : VL032017.D
 Acq On : 31 May 2018 16:46
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 10:54:53 AM

Quant Time: Jun 01 02:14:08 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01
 QLast Update : Fri Jun 01 01:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1428890	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2729334	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2711047	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.70	95	2049703	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.15	85	303756	1.67	ppbv	95
3) Chlorodifluoromethane	3.08	51	273315	2.04	ppbv	98
4) Chloromethane	3.24	50	142440	2.05	ppbv	97
5) Vinyl Chloride	3.37	62	150553	1.90	ppbv	96
6) Bromomethane	3.59	94	105280	2.04	ppbv	97
7) Chloroethane	3.68	64	62788	2.07	ppbv	100
8) Dichlorotetrafluoroethane	3.29	85	374302	2.01	ppbv	99
9) Propene	3.11	41	90399	1.86	ppbv	94
10) Heptane	8.36	43	331766	1.96	ppbv	98
11) Trichlorofluoromethane	4.09	101	586076	2.53	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.64	101	372697	2.26	ppbv	99
13) Ethanol	3.73	45	32879	1.80	ppbv	98
14) Bromoethene	3.87	108	141980	2.39	ppbv	97
15) Acetone	3.99	43	393937	1.97	ppbv	98
16) 1,3-Butadiene	3.44	39	126077	1.95	ppbv	92
17) tert-Butyl alcohol	4.45	59	176332m	2.11	ppbv	
18) 1,1-Dichloroethene	4.44	96	165117	2.30	ppbv	97
19) Isopropyl Alcohol	4.11	45	250442	2.25	ppbv #	97
20) Methylene Chloride	4.50	84	164653	2.39	ppbv	97
21) Allyl Chloride	4.57	41	251084	2.16	ppbv	97
22) trans-1,2-Dichloroethene	5.06	96	169339	2.12	ppbv	97
23) Vinyl Acetate	5.25	43	476408	2.05	ppbv	97
24) 1,1-Dichloroethane	5.19	63	459829	2.10	ppbv	97
25) Ethyl Acetate	5.87	43	726072	2.09	ppbv	100
26) Hexane	5.88	57	344365	2.10	ppbv	99
27) Carbon Disulfide	4.71	76	422633	2.24	ppbv	100
28) Methyl tert-Butyl Ether	5.22	73	414758	2.06	ppbv	100
29) Chloroform	5.95	83	569151	2.18	ppbv	97
30) Cyclohexane	7.36	84	205388	1.90	ppbv	90
31) cis-1,2-Dichloroethene	5.74	61	301196	2.00	ppbv	98
32) 1,1,1-Trichloroethane	6.73	97	430702	1.81	ppbv	99
34) 2-Butanone	5.43	43	454292	2.01	ppbv	100
35) Carbon Tetrachloride	7.25	117	457509	2.09	ppbv	95
36) Benzene	7.12	78	505878	1.97	ppbv	98
37) 1,2-Dichloroethane	6.52	62	365406	2.02	ppbv	100
38) Trichloroethene	8.08	130	211329	2.16	ppbv	97
39) 1,2-Dichloropropane	7.85	63	183234	2.04	ppbv	96
40) 1,4-Dioxane	8.09	88	71908	1.79	ppbv	69
41) Tetrahydrofuran	6.27	42	218964m	2.25	ppbv	
42) Bromodichloromethane	8.03	83	452107	2.17	ppbv	96
43) Methyl Methacrylate	8.25	69	181227	2.07	ppbv	99

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44) 2,2,4-Trimethylpentane	8.11	57	880833	2.11	ppbv	99
45) t-1,3-Dichloropropene	9.54	75	237161	2.04	ppbv	97
46) cis-1,3-Dichloropropene	8.95	75	300196	2.10	ppbv	99
47) 1,1,2-Trichloroethane	9.74	97	228662	2.15	ppbv	94
48) Dibromochloromethane	10.58	129	373385	2.17	ppbv	99
49) Bromoform	13.33	173	302209	2.25	ppbv	97
50) 4-Methyl-2-Pentanone	8.99	43	451820	2.12	ppbv	98
51) 2-Hexanone	10.40	43	404786	2.09	ppbv #	95
52) Tetrachloroethene	11.50	164	199173m	2.09	ppbv	
53) Toluene	10.07	91	588816	2.12	ppbv	98
54) 1,2-Dibromoethane	10.89	107	336266	2.12	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.41	131	275473m	2.21	ppbv	
57) Chlorobenzene	12.43	112	517714	2.18	ppbv	98
58) Ethyl Benzene	12.99	91	846344	2.15	ppbv	97
59) m/p-Xylene	13.27	91	1462635m	4.36	ppbv	
60) o-Xylene	13.97	91	758424	2.25	ppbv	98
61) Styrene	13.81	104	136046	2.00	ppbv	97
62) Isopropylbenzene	14.95	105	939822	2.19	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.96	83	536049	2.25	ppbv	100
64) n-propylbenzene	15.85	120	233117	2.16	ppbv	96
65) tert-Butylbenzene	17.03	119	821854	2.15	ppbv	98
66) Benzyl Chloride	17.28	91	82686m	2.32	ppbv	
67) sec-Butylbenzene	17.58	105	1195517	2.25	ppbv	99
69) p-Isopropyltoluene	17.94	119	948114	2.23	ppbv	100
70) n-Butylbenzene	18.84	91	947877	2.16	ppbv	100
71) 2-Chlorotoluene	15.74	91	690169	2.19	ppbv	100
72) 4-Ethyltoluene	16.12	105	745913	2.18	ppbv	99
73) 1,3,5-Trimethylbenzene	16.28	105	677484	2.15	ppbv	98
74) 1,2,4-Trimethylbenzene	17.05	105	747415	2.14	ppbv	95
75) 1,3-Dichlorobenzene	17.29	146	497352	2.29	ppbv	99
76) 1,4-Dichlorobenzene	17.43	146	482673	2.25	ppbv	99
77) 1,2-Dichlorobenzene	18.11	146	482435	2.23	ppbv	99
78) Hexachloro-1,3-Butadiene	23.66	225	189601	2.14	ppbv	99
79) Naphthalene	22.56	128	401629m	1.67	ppbv	
80) Naphthalene, 2-methyl-	25.21	142	38860	0.61	ppbv	96
81) 1,2,4-Trichlorobenzene	22.28	180	241883m	1.82	ppbv	

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

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Misc      : 400ml/MSVOA L  
ALS Vial  : 1      Sample Multiplier: 1
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ClientSampleId :
VSTDICC002

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